

=> s (RNase or nuclease) (5a) (protect?) (p) (biotin or streptavidin or avidin or digoxigenin)

2820 RNASE  
3285 NUCLEASE  
530084 PROTECT?  
7540 BIOTIN  
2081 STREPTAVIDIN  
3857 AVIDIN  
663 DIGOXIGENIN

L1 6 (RNase OR NUCLEASE) (5A) (PROTECT?) (P) (BIOTIN OR STREPTAVIDIN  
IN OR AVIDIN OR DIGOXIGENIN)

=> d 1-6 kwic

US PAT NO: 5,705,333 [IMAGE AVAILABLE] L1: 1 of 6

DETD(317)

95. Boado, R. J. and Pardridge, W. M. "Complete **protection** of antisense oligonucleotides against serum **nuclease** degradation by an **avidin-biotin** system". Bioconj Chem. 3(6): 519-23, 1992.

US PAT NO: 5,683,867 [IMAGE AVAILABLE] L1: 2 of 6

DETD(25)

This . . . incorporated to produce irreversible enzyme inhibitors. Use of directed incorporation could be used also for post-SELEX incorporation of fluorescence tags, **biotin**, radiolabel, lipid groups, or to cap the oligonucleotide with a uniquely modified base for **protection** against **nuclease** digestion.

US PAT NO: 5,604,118 [IMAGE AVAILABLE] L1: 3 of 6

DETD(61)

## TABLE 2

EFFICIENCY OF SUBTRACTION OF UNHYBRIDIZED RNAs FOLLOWING RNA:RNA HYBRIDIZATION IN SOLUTION AS QUANTITATED BY BINDING TO EITHER **STREPTAVIDIN**-AGAROSE (PHOTOBIOITYLATED RNA) OR TO HYDROXYLAPATITE (HAP, UNMODIFIED RNA) COLUMNS FOLLOWED BY DOT BLOT HYBRIDIZATION ANALYSES

SUBTRACTION METHOD:

**STREPTAVIDIN**-AGAROSE

HAP

(TWO CYCLES)

(ONLY ONE CYCLE)

NG 1.5KB AND NEO

BEFORE

AFTER

PERCENT

BEFORE. . . The

hybridization was carried out in a flamesealed, 100 ul capillary. The extent of hybridization was quantitated by **RNase A** and T1

**protection**

assay. Doublestranded (ds) RNAs are protected whereas singlestranded (ss)

RNAs are degraded to acidsoluble nucleotides by digestion with the. .

US PAT NO: 5,561,043 [IMAGE AVAILABLE]

L1: 4 of 6

DETDESC:

DETD(35)

Biotinylated oligonucleotides, when bound to **avidin** (a protein with nearly identical **biotin**-binding properties and 3-dimensional structure as **streptavidin**), are **protected** in vivo against **nuclease** digestion. Therefore, it is not necessary to modify the oligonucleotides to protect from in vivo enzymatic digestion. This has the. . .

US PAT NO: 5,260,433 [IMAGE AVAILABLE]

L1: 5 of 6

DETDESC:

DETD(152)

In . . . of interferon it has been demonstrated that DEAE-dextran facilitates this operation. It appears that since DEAE-dextran complexes with dsRNA and **protects** it for **nuclease** degradation, thereby enhancing interferon induction. It has also been noted that poly rC:rI is taken into cells more efficiently when. . . agents for the above in accordance with the practices of this invention would include nucleotides wherein the Sig moiety incorporates **biotin** or **streptavidin** or **avidin**.

US PAT NO: 5,241,060 [IMAGE AVAILABLE]

L1: 6 of 6

DETDESC:

DETD(152)

In . . . of interferon it has been demonstrated that DEAE-dextran facilitates this operation. It appears that since DEAE-dextran complexes with dsRNA and **protects** it for **nuclease** degradation, thereby enhancing interferon induction. It has also been noted that poly rC:rI is taken into cells more efficiently when. . . agents for the above in accordance with the practices of this invention would include nucleotides wherein the Sig moiety incorporates **biotin** or **streptavidin** or

=> d his

(FILE 'HOME' ENTERED AT 15:29:19 ON 10 JUN 1998)

INDEX 'IMOBILITY, 2MOBILITY, ABI-INFORM, AEROSPACE, AGRICOLA,  
AIDSLINE, ANABSTR, APILIT, APIPAT, AQUASCI, BIBLIODATA,  
BIOBUSINESS, BIOSIS, BIOTECHABS, BIOTECHDS, BLLDB, CABA,  
CANCERLIT,

CAPLUS, CBNB, CEABA, CEN, CERAB, CHEMSAFE, CIN, CJACS,  
COMPENDEX,

.. ENTERED AT 15:29:26 ON 10 JUN 1998

SEA ((RNASE# OR RIBONUCLEASE# OR S1(W)NUCLEASE)(SA)(PROTE

-----  
3 FILE AGRICOLA

2 FILE AIDSLINE

29 FILE BIOSIS

1 FILE CABA

6 FILE CANCERLIT

22 FILE CAPLUS

19 FILE CJACS

6 FILE DISSABS

1 FILE DRUGU

22 FILE EMBASE

91 FILE EUROPATFULL

6 FILE LIFESCI

29 FILE MEDLINE

2 FILE NLDB

2 FILE PROMT

19 FILE SCISEARCH

1 FILE TOXLIT

14 FILE TOXLIT

192 FILE USPATFULL

L1 QUE ((RNASE# OR RIBONUCLEASE# OR S1(W) NUCLEASE)(SA)(PROT

-----  
FILE 'AGRICOLA, BIOSIS, CANCERLIT, CAPLUS, DISSABS, EMBASE,  
LIFESCI, MEDLINE, TOXLIT' ENTERED AT 15:49:04 ON 10 JUN 1998

L2 137 S L1

L3 43 DUPLICATE REMOVE L2 (94 DUPLICATES REMOVED)

=> d 1-43 ti

L3 ANSWER 1 OF 43 CAPLUS COPYRIGHT 1998 ACS

T1 Cloning and expression of chondrocyte protein DNA and identification  
and treatment of chondrocyte hypertrophy

L3 ANSWER 2 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 1

T1 The bldD gene of Streptomyces coelicolor A3(2): A regulatory gene  
involved in morphogenesis and antibiotic production.

L3 ANSWER 3 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 2

T1 Expression of types 1,2, and 3 17-beta-hydroxysteroid dehydrogenase  
in subcutaneous abdominal and intra-abdominal adipose tissue of  
women.

L3 ANSWER 4 OF 43 DISSABS COPYRIGHT 1998 UMI Company

T1 TRANSCRIPTIONAL REGULATION OF BABOON SURFACTANT

\*\*\*PROTEIN\*\*\*

\*\*\*A\*\*\* GENE EXPRESSION BY THYROID TRANSCRIPTION FACTOR 1

(HUMAN

GROWTH HORMONE, MUTAGENESIS, FUSION GENES)

L3 ANSWER 5 OF 43 DISSABS COPYRIGHT 1998 UMI Company

T1 MOLECULAR ANALYSIS OF A HOMOLOGUE OF THE MOUSE

BETA-AMYLOID

PRECURSOR PROTEIN, APLP2: ISOLATION OF APLP2 CDNA,

CHARACTERIZATION

OF THE APLP2 GENE PROMOTER AND GENE TARGETING OF APLP2

L3 ANSWER 6 OF 43 CAPLUS COPYRIGHT 1998 ACS

T1 A homogeneous method to quantify mRNA levels: a hybridization of

\*\*\*RNase\*\*\* \*\*\*protection\*\*\* and scintillation proximity assay  
technologies

L3 ANSWER 7 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 3

T1 Purification of a dichlorophenol-indophenol oxidoreductase from rat

and bovine synaptic membranes: Tight complex association of a

glyceraldehyde-3-phosphate dehydrogenase isoform, TOAD64,

enolase-gamma and aldolase C.

L3 ANSWER 8 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 4

T1 Nonisotopic quantitation of mRNA using a novel \*\*\*RNase\*\*\*

\*\*\*protection\*\*\* assay: Measurement of erbB-2 mRNA in tumor cell  
lines.

L3 ANSWER 9 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 5

T1 \*\*\*S1\*\*\* \*\*\*nuclease\*\*\* \*\*\*protection\*\*\* assay using

\*\*\*streptavidin\*\*\* dynabeads-purified single-stranded DNA.

L3 ANSWER 10 OF 43 DISSABS COPYRIGHT 1998 UMI Company

T1 EFFECTS OF IN VITRO UNIAXIAL CYCLIC STRETCH UPON RAT AORTIC

SMOOTH

MUSCLE CELLS (CELL CULTURE)

L3 ANSWER 11 OF 43 CAPLUS COPYRIGHT 1998 ACS

T1 Methods for detecting mutations in muscle protein genes associated  
with hypertrophic cardiomyopathy

L3 ANSWER 12 OF 43 TOXLIT

T1 Methods for detecting mutations in muscle protein genes associated  
with hypertrophic cardiomyopathy.

L3 ANSWER 13 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 6

T1 Vector-mediated delivery of a polyamide ("peptide") nucleic acid  
analogue through the blood-brain barrier in vivo.

L3 ANSWER 14 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 7

T1 Expression of the steroidogenic enzyme P450scc in the central and  
peripheral nervous systems during rodent embryogenesis.

L3 ANSWER 15 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 8

T1 The TTG-2-RBTN2 T cell oncogene encodes two alternative transcripts  
from two promoters: The distal promoter is removed by most 11p13  
translocations in acute T cell leukaemia's (T-ALL).

L3 ANSWER 16 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 9

T1 Glutamic acid decarboxylase-67 (GAD67): Expression relative to GAD65  
in human islets and mapping of autoantibody epitopes.

L3 ANSWER 17 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 10

T1 Detection of cyclin messenger RNAs by nonradioactive  
\*\*\*ribonuclease\*\*\* \*\*\*protection\*\*\* assay: A comparison of four  
detection methods.

L3 ANSWER 18 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS

T1 Differential regulation of inhibin subunit expression in the rat  
placenta and decidual.

L3 ANSWER 19 OF 43 DISSABS COPYRIGHT 1998 UMI Company

T1 MOLECULAR CLONING, EXPRESSION AND CHARACTERIZATION OF  
TOP(AP): A

MARKER OF CELL POSITION IN THE DEVELOPING VISUAL SYSTEM  
(TOP(AP))

L3 ANSWER 20 OF 43 AGRICOLA

DUPLICATE 11

T1 Cloning and analysis of a constitutive heat shock (Cognate) protein  
70 gene inducible by L-glutamine.

L3 ANSWER 21 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 12

T1 Tissue Distribution of the Human MDR3 P-Glycoprotein.

L3 ANSWER 22 OF 43 CANCERLIT

T1 Mouse monoclonal antibodies directed against a recombinant peptide  
homologous to human MDR3 membrane P-glycoprotein (Meeting abstract).

L3 ANSWER 23 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 13

T1 \*\*\*RIBONUCLEASE\*\*\* \*\*\*PROTECTION\*\*\* ASSAY USE OF  
BIOTINYLATED

PROBES FOR THE DETECTION OF TWO MESSENGER RNAS.

L3 ANSWER 24 OF 43 DISSABS COPYRIGHT 1998 UMI Company

T1 ISOLATION AND CHARACTERIZATION OF THE PURKINJE CELL GENE  
PCP-4

L3 ANSWER 25 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 14

T1 GENOMIC ORGANIZATION AND EXPRESSION OF THE HUMAN

ALPHA-1B-ADRENERGIC

RECEPTOR.

L3 ANSWER 26 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 15

T1 FOLLISTATIN GENE EXPRESSION IN THE PITUITARY LOCALIZATION IN  
GONADOTROPES AND FOLLICULOSTELLATE CELLS IN DIESTROUS RATS.

L3 ANSWER 27 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 16

T1 REGULATION OF THE BIOSYNTHESIS OF SUBGROUP C ADENOVIRUS  
PROTEIN IVA2.

L3 ANSWER 28 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 17

T1 THE CARBOXY-TERMINAL ZINC FINGERS OF TFIIIA INTERACT WITH THE  
TIP OF

HELIX V OF 5S RNA IN THE 7S RIBONUCLEOPROTEIN PARTICLE.

L3 ANSWER 29 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 18

T1 THE HIV-1 REV \*\*\*PROTEIN\*\*\* \*\*\*A\*\*\* MODEL SYSTEM FOR  
COUPLED

RNA TRANSPORT AND TRANSLATION.

L3 ANSWER 30 OF 43 AGRICOLA

DUPLICATE 19

- TI Isolation of a yeast mutant deficient in pyruvate carboxylase activity
- L3 ANSWER 31 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 20  
TI EVALUATION OF MURINE INTERLEUKIN 4 IL-4 RECEPTOR EXPRESSION USING ANTI-RECEPTOR MONOCLONAL ANTIBODIES AND \*\*\*S1\*\*\*  
\*\*\*NUCLEASE\*\*\*  
\*\*\*PROTECTION\*\*\* ANALYSES.
- L3 ANSWER 32 OF 43 AGRICOLA DUPLICATE 21  
TI The urea amidolyase (DUR1.2) gene of *Saccharomyces cerevisiae*.
- L3 ANSWER 33 OF 43 DISSABS COPYRIGHT 1998 UMI Company  
TI IDENTIFICATION AND CHARACTERIZATION OF TRANSCRIPTS ENCODING VIRION STRUCTURAL PROTEINS OF HUMAN CYTOMEGALOVIRUS (AD169)
- L3 ANSWER 34 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 22  
TI THE E6-E7 PROMOTER OF HUMAN PAPILLOMAVIRUS TYPE 16 IS ACTIVATED IN THE ABSENCE OF E2 PROTEINS BY A SEQUENCE-ABERRANT SP1 DISTAL ELEMENT.
- L3 ANSWER 35 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 23  
TI REPLICATION STABILITY AND GENE EXPRESSION OF TOBACCO MOSAIC VIRUS MUTANTS WITH A SECOND 30K ORF.
- L3 ANSWER 36 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 24  
TI BACTERIOPHAGE T4 REGA PROTEIN BINDS TO THE SHINE-DALGARNO REGION OF GENE 44 MESSENGER RNA.
- L3 ANSWER 37 OF 43 CAPLUS COPYRIGHT 1998 ACS  
TI Expression of RAPsyn (43K protein) and nicotinic acetylcholine receptor genes is not coordinately regulated in mouse muscle
- L3 ANSWER 38 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 25  
TI THE UPSTREAM REGULATORY REGION OF THE HUMAN PAPILLOMA VIRUS 16 CONTAINS AN E2 PROTEIN-INDEPENDENT ENHANCER WHICH IS SPECIFIC FOR CERVICAL CARCINOMA CELLS AND REGULATED BY GLUCOCORTICOID HORMONES.
- L3 ANSWER 39 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 26  
TI AN ORDERED PATHWAY OF SMALL NUCLEAR RNP BINDING DURING MAMMALIAN PRE-MESSENGER RNA SPLICING COMPLEX ASSEMBLY.
- L3 ANSWER 40 OF 43 TOXLIT  
TI Interferons as gene activators. Cloning of the 5' terminus and the control segment of an interferon-activated gene.
- L3 ANSWER 41 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 27  
TI DECOMPLEMENTATION ANTIGEN A POSSIBLE DETERMINANT OF STAPHYLOCOCCAL PATHOGENICITY.
- L3 ANSWER 42 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 28  
TI EXPRESSION AND PARTIAL DNA SEQUENCE OF THE CHICKEN BETA-H GLOBIN GENE.
- L3 ANSWER 43 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 29  
TI PHYSICAL CHARACTERIZATION OF A RIBOSOMAL NUCLEO PROTEIN COMPLEX.
- => d 6,8,9,17,23 bib ab
- L3 ANSWER 6 OF 43 CAPLUS COPYRIGHT 1998 ACS  
AN 1997:466289 CAPLUS  
DN 127:186226  
TI A homogeneous method to quantify mRNA levels: a hybridization of \*\*\*RNase\*\*\* \*\*\*protection\*\*\* and scintillation proximity assay technologies  
AU Kenrick, Michael K.; Jiang, Lixin; Potts, Cheryl L.; Owen, Penny J.; Shuey, David J.; Econome, Jason G.; Anson, John G.; Quinet, Elaine M.  
CS Cardiff Laboratories, Amersham International plc, Cardiff, CF4 7YT, UK  
SO Nucleic Acids Res. (1997), 25(14), 2947-2948  
CODEN: NARHAD; ISSN: 0305-1048  
PB Oxford University Press  
DT Journal  
LA English  
AB A novel method to measure mRNA levels has been developed by combining the detection capabilities of \*\*\*RNase\*\*\*
- \*\*\*protection\*\*\* (RPA) with the quantification advantages of scintillation proximity assay (SPA) technol. Sample processing is reduced to the addn. of a single reagent post RNase digestion. As a model system, the inducible expression of rat apolipoprotein-A1 mRNA has been measured by both traditional gel-based RPAs and the SPA-based RPA assay. Results demonstrate that the \*\*\*RNase\*\*\* \*\*\*protection\*\*\* proximity assay (RiPPA) faithfully reproduces the gel-based results and is at least as sensitive as many existing methods.
- L3 ANSWER 8 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 4  
AN 97:19261 BIOSIS  
DN 99318464  
TI Nonisotopic quantitation of mRNA using a novel \*\*\*RNase\*\*\* \*\*\*protection\*\*\* assay: Measurement of erbB-2 mRNA in tumor cell lines.  
AU Chan S D H; Dill K; Blomdahl J; Wada H G  
CS Molecular Devices Corp., Sunnyvale, CA 94089, USA  
SO Analytical Biochemistry 242 (2). 1996. 214-220. ISSN: 0003-2697  
LA English  
AB We have developed a nonisotopic \*\*\*RNase\*\*\* \*\*\*protection\*\*\* assay using RNA probes that are dual-labeled with \*\*\*biotin\*\*\* and fluorescein for detection. This system utilizes capture of the protected RNA probe hybrids to \*\*\*streptavidin\*\*\* -coated membranes attached to plastic dipsticks, complexing of anti-fluorescein-urease conjugate with the labeled RNA probe, and quantitative detection of the membrane-bound complex by a potentiometric silicon sensor. The dual-label \*\*\*RNase\*\*\* \*\*\*protection\*\*\* (RP) assay was capable of measuring beta-actin mRNA in cellular RNA samples at the 27- to 45-amol level (10-17 pg) with high precision (%CV lt 7). We have used this method to quantitate the levels of erbB-2 mRNA in the human tumor cell lines SKBR-3, SKOV-3, and MCF-7. The levels of erbB-2 mRNA in these cells were 105, 190, and 0.9 amol per microgram of cellular RNA, respectively. The dual-label RP method should be useful for measuring the mRNA expression for other erbB-2 homologs such as erbB-3 and erbB-4 in tumor cells and tissues and can be a generally useful mRNA quantitative method for laboratories wishing to minimize radioisotope use.
- L3 ANSWER 9 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 5  
AN 96:218549 BIOSIS  
DN 98774678  
TI \*\*\*S1\*\*\* \*\*\*nuclease\*\*\* \*\*\*protection\*\*\* assay using \*\*\*streptavidin\*\*\* dynabeads-purified single-stranded DNA.  
AU Cammas F M; Clark A J L  
CS Dep. Chem. Endocrinol., St. Bartholomew's Hosp., Med. Coll., West Smithfield, London EC1A 7BE, UK  
SO Analytical Biochemistry 236 (1). 1996. 182-184. ISSN: 0003-2697  
LA English
- L3 ANSWER 17 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 10  
AN 96:21386 BIOSIS  
DN 98593521  
TI Detection of cyclin messenger RNAs by nonradioactive \*\*\*ribonuclease\*\*\* \*\*\*protection\*\*\* assay: A comparison of four detection methods.  
AU Nass S J; Dickson R B  
CS Lombardi Cancer Cent., Georgetown Univ., 3970 Reservoir Road N.W., Washington, DC 20007, USA  
SO Biotechniques 19 (5). 1995. 772-774, 776, 778. ISSN: 0736-6205  
LA English  
AB Stable, nonradioactive riboprobes were used in \*\*\*ribonuclease\*\*\* \*\*\*protection\*\*\* assays to monitor the changes in cyclin mRNA expression during cell cycle progression in human mammary epithelial cells. Probes labeled with \*\*\*biotin\*\*\* demonstrated sufficient sensitivity (comparable to 32P) to detect these low-abundance mRNAs and thus offer a safe and easy alternative to traditional radioactive assays. Three detection systems based on chemiluminescence generated by horseradish peroxidase or alkaline phosphatase were compared for sensitivity, background and ease of use.
- L3 ANSWER 23 OF 43 BIOSIS COPYRIGHT 1998 BIOSIS DUPLICATE 13  
TI \*\*\*RIBONUCLEASE\*\*\* \*\*\*PROTECTION\*\*\* ASSAY USE OF BIOTINYLATED PROBES FOR THE DETECTION OF TWO MESSENGER RNAS.  
AU TURNBOW M A; GARNER C W  
CS DEP. BIOCHEM. MOL. BIOL., TEXAS TECH UNIV. HEALTH SCI. CENT., 3601 FOURTH ST., LUBBOCK, TX 79430, USA.  
SO BIOTECHNIQUES 15 (2). 1993. 267-270. CODEN: BTNQDO ISSN: 0736-6205  
LA English  
AB A nonradioactive modification of the traditional \*\*\*ribonuclease\*\*\* \*\*\*protection\*\*\* assay is described and applied to the detection of two messenger RNAs. The biotinylated probes are stable and easy to handle, which permits the processing of large numbers of samples. Chemiluminescence is generated with \*\*\*streptavidin\*\*\* -conjugated alkaline phosphatase and provides sensitivity equal to or greater than that achieved with the radioactive detection method.

US PAT NO: 5,763,181 [IMAGE AVAILABLE] L1: 1 of 75  
DATE ISSUED: Jun. 9, 1998  
TITLE: Continuous fluorometric assay for detecting nucleic acid cleavage  
INVENTOR: Myun Ki Han, Silver Spring, MD  
S. Paul Lee, Phoenix, MD  
Jack G. Chirikjian, Potomac, MD  
ASSIGNEE: Georgetown University, Washington, DC (U.S. corp.)  
APPL-NO: 08/706,135  
DATE FILED: Aug. 30, 1996  
ART-UNIT: 189  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Sterne, Kessler, Goldstein & Fox P.L.L.C.

US PAT NO: 5,760,180 [IMAGE AVAILABLE] L1: 2 of 75  
DATE ISSUED: Jun. 2, 1998  
TITLE: DNA encoding precursor of interleukin-1 beta. converting enzyme-related cysteine proteinase III (ICE.sub.rel -III)  
INVENTOR: Donald W. Nicholson, Montreal, Canada  
Ambereen Ali, Pierrefonds, Canada  
Neil A. Munday, Guelph, Canada  
John P. Vaillancourt, Pierrefonds, Canada  
ASSIGNEE: Merck Frosst Canada, Inc., Quebec, Canada (foreign corp.)  
APPL-NO: 08/721,985  
DATE FILED: Dec. 9, 1996  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Joseph A. Coppola, Jack L. Tribble

US PAT NO: 5,759,773 [IMAGE AVAILABLE] L1: 3 of 75  
DATE ISSUED: Jun. 2, 1998  
TITLE: Sensitive nucleic acid sandwich hybridization assay  
INVENTOR: Sanjay Tyagi, New York, NY  
Fred R. Kramer, Riverdale, NY  
Paul M. Lizardi, Privada Cerritos, Mexico  
Ulf D. Landegren, Uppsala, Sweden  
Herman J. Blok, AD veenendaal, Netherlands  
ASSIGNEE: The Public Health Research Institute of the City of New York, Inc., New York, NY (U.S. corp.)  
APPL-NO: 08/393,888  
DATE FILED: Feb. 24, 1995  
ART-UNIT: 189  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Fish & Richardson P.C.

US PAT NO: 5,753,516 [IMAGE AVAILABLE] L1: 4 of 75  
DATE ISSUED: May 19, 1998  
TITLE: Screening method for ligands of the EBI-1 receptor  
INVENTOR: Wyrtia E. Heagy, 536 Janalyn Cir., Golden Valley, MN 55427  
Robert W. Finberg, 48 Spring La., Canton, MA 02021  
APPL-NO: 08/383,751  
DATE FILED: Feb. 3, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*

US PAT NO: 5,750,729 [IMAGE AVAILABLE] L1: 5 of 75  
DATE ISSUED: May 12, 1998  
TITLE: Compounds and methods for making and using same  
INVENTOR: Petr Alexander, San Mateo, CA  
Ernest J. Prisbe, Los Altos, CA  
ASSIGNEE: Gilead Sciences, Inc., Foster City, CA (U.S. corp.)  
APPL-NO: 08/806,575  
DATE FILED: Feb. 25, 1997  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Max D. Hensley

US PAT NO: 5,747,252 [IMAGE AVAILABLE] L1: 6 of 75  
DATE ISSUED: May 5, 1998  
TITLE: Nucleic acid probes and amplification oligonucleotides for *Neisseria* species  
INVENTOR: Yeasing Yang, San Diego, CA  
Gary Bee, Vista, CA  
Sherrol McDonough, San Diego, CA  
ASSIGNEE: Gen-Probe Incorporated, San Diego, CA (U.S. corp.)  
APPL-NO: 08/484,607  
DATE FILED: Jun. 7, 1995  
ART-UNIT: 189

PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Lyon & Lyon LLP

US PAT NO: 5,747,247 [IMAGE AVAILABLE] L1: 7 of 75  
DATE ISSUED: May 5, 1998  
TITLE: Spectroscopic helicase assay  
INVENTOR: Stephen C. Kowalczykowski, Davis, CA  
Angela K. Eggleston, Davis, CA  
ASSIGNEE: The Regents of The University of California, Oakland, CA (U.S. corp.)  
APPL-NO: 08/280,020  
DATE FILED: Jul. 25, 1994  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Richard Aron Osman

US PAT NO: 5,744,298 [IMAGE AVAILABLE] L1: 8 of 75  
DATE ISSUED: Apr. 28, 1998  
TITLE: DNA sequences which encode immunoreactive HCMV-specific peptides  
INVENTOR: Werner Stuber, Lahntal, Federal Republic of Germany  
Leszek Wicczorek, Marburg, Federal Republic of Germany  
Robert Ziegelmaier, Marburg, Federal Republic of Germany  
ASSIGNEE: Behringwerke Aktiengesellschaft, Marburg, Federal Republic of Germany (foreign corp.)  
APPL-NO: 08/460,874  
DATE FILED: Jun. 5, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Finnegan, Henderson, Farabow, Garrett & Dunner, L.L.P.

US PAT NO: 5,741,644 [IMAGE AVAILABLE] L1: 9 of 75  
DATE ISSUED: Apr. 21, 1998  
TITLE: DNA sequencing by extension of probe chip immobilized oligonucleotides  
INVENTOR: Hideki Kambara, Hachioji, Japan  
Kazunori Okano, Shiki, Japan  
Hisanori Nasu, Yokohama, Japan  
ASSIGNEE: Hitachi, Ltd., Tokyo, Japan (foreign corp.)  
APPL-NO: 08/465,181  
DATE FILED: Jun. 5, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Antonelli, Terry, Stout & Kraus, LLP

US PAT NO: 5,739,311 [IMAGE AVAILABLE] L1: 10 of 75  
DATE ISSUED: Apr. 14, 1998  
TITLE: Enzymatic synthesis of phosphorothioate oligonucleotides using restriction endonucleases  
INVENTOR: David Bruce Lackey, San Diego, CA  
Nanibhushan Dattagupta, San Diego, CA  
Daniel Louis Kacian, San Diego, CA  
ASSIGNEE: Gen-Probe Incorporated, San Diego, CA (U.S. corp.)  
APPL-NO: 08/476,625  
DATE FILED: Jun. 7, 1995  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Charles B. Cappellari, Carlos A. Fisher

US PAT NO: 5,736,332 [IMAGE AVAILABLE] L1: 11 of 75  
DATE ISSUED: Apr. 7, 1998  
TITLE: Method of determining the sequence of nucleic acids employing solid-phase particles carrying transponders  
INVENTOR: Wlodek Mandecki, 516 Hemlock La., Libertyville, IL 60048  
APPL-NO: 08/564,860  
DATE FILED: Nov. 30, 1995  
ART-UNIT: 189  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Brinks Gilson & Lione

US PAT NO: 5,733,753 [IMAGE AVAILABLE] L1: 12 of 75  
DATE ISSUED: Mar. 31, 1998  
TITLE: Amplification of genomic DNA by site specific integration of a selectable marker construct  
INVENTOR: Steen Troels J.o slashed.rgensen, Aller.o slashed.d, Denmark  
ASSIGNEE: Novo Nordisk A/S, Bagsvaerd, Denmark (foreign corp.)  
APPL-NO: 08/751,282

DATE FILED: Nov. 18, 1996  
ART-UNIT: 189  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Steve T. Zelson, Elias J. Lambiris

US PAT NO: 5,733,752 [IMAGE AVAILABLE] L1: 13 of 75  
DATE ISSUED: Mar. 31, 1998  
TITLE: Detection of nucleic acids in cells by thermophilic strand displacement amplification  
INVENTOR: Kenton L. Lohman, San Jose, CA  
Natalie V. Ostrerova, Mountain View, CA  
Mark Van Cleve, Durham, NC  
Robert Alan Reid, Durham, NC  
ASSIGNEE: Becton, Dickinson and Company, Franklin Lakes, NJ (U.S. corp.)  
APPL-NO: 08/531,749  
DATE FILED: Sep. 21, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Donna R. Fugit

US PAT NO: 5,733,724 [IMAGE AVAILABLE] L1: 14 of 75  
DATE ISSUED: Mar. 31, 1998  
TITLE: Oligonucleotides for the detection of enterobacteriaceae selected from salmonysin  
INVENTOR: Andreas Bubert, Gerbrunn, Federal Republic of Germany  
Werner Goebel, Gerbrunn, Federal Republic of Germany  
Monika Goetz, Gerbrunn, Federal Republic of Germany  
Albrecht Ludwig, Wurzburg, Federal Republic of Germany  
Peter Schubert, Darmstadt, Federal Republic of Germany  
Siegfried Neumann, Seeheim-Jugenheim, Federal Republic of Germany  
ASSIGNEE: Merck Patent Gesellschaft Mit Beschränkter Haftung, Darmstadt, Federal Republic of Germany (foreign corp.)  
APPL-NO: 08/332,747  
DATE FILED: Nov. 1, 1994  
ART-UNIT: 187  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Millen, White, Zelano & Branigan, P.C.

US PAT NO: 5,728,526 [IMAGE AVAILABLE] L1: 15 of 75  
DATE ISSUED: Mar. 17, 1998  
TITLE: Method for analyzing a nucleotide sequence  
INVENTOR: Albert L. George, Jr., Gaithersburg, MD  
Satish K. Bhatnagar, Gaithersburg, MD  
Irina Nazarenko, Gaithersburg, MD  
ASSIGNEE: Oncor, Inc., Gaithersburg, MD (U.S. corp.)  
APPL-NO: 08/472,239  
DATE FILED: Jun. 7, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Glenn E. Karta

US PAT NO: 5,723,296 [IMAGE AVAILABLE] L1: 16 of 75  
DATE ISSUED: Mar. 3, 1998  
TITLE: Amplification and detection of mycobacterial DNA K nucleic acids  
INVENTOR: Colleen Marie Nycz, Raleigh, NC  
James G. Nadeau, Chapel Hill, NC  
Patricia Brinkley Scott, Apex, NC  
Daryl Dee Shank, BelAir, MD  
Patricia Anne Spears, Raleigh, NC  
ASSIGNEE: Becton, Dickinson and Company, Franklin Lakes, NJ (U.S. corp.)  
APPL-NO: 08/644,729  
DATE FILED: May 10, 1996  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Donna R. Fugit

US PAT NO: 5,721,098 [IMAGE AVAILABLE] L1: 17 of 75  
DATE ISSUED: Feb. 24, 1998  
TITLE: Comparative genomic hybridization  
INVENTOR: Daniel Pinkel, Walnut Creek, CA  
Joe W. Gray, San Francisco, CA  
Anne Kallioniemi, Tampere, Finland  
Olli-Pekka Kallioniemi, Tampere, Finland  
Frederic Waldman, San Francisco, CA  
ASSIGNEE: The Regents of the University of California, Alameda, CA (U.S. corp.)

APPL-NO: 08/468,629  
DATE FILED: Jun. 6, 1995  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Burns, Doane, Swecker & Mathis, L.L.P.

US PAT NO: 5,716,824 [IMAGE AVAILABLE] L1: 18 of 75  
DATE ISSUED: Feb. 10, 1998  
TITLE: 2'-O-alkylthioalkyl and 2-C-alkylthioalkyl-containing enzymatic nucleic acids (ribozymes)  
INVENTOR: Leonid Beigelman, Longmont, CO  
Alex Karpeisky, Boulder, CO  
ASSIGNEE: Ribozyne Pharmaceuticals, Inc., Boulder, CO (U.S. corp.)  
APPL-NO: 08/426,124  
DATE FILED: Apr. 20, 1995  
ART-UNIT: 189  
PRIM-EXMR: Scott W. Houtteman  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Lyon & Lyon LLP

US PAT NO: 5,708,160 [IMAGE AVAILABLE] L1: 19 of 75  
DATE ISSUED: Jan. 13, 1998  
TITLE: HSP-60 genomic locus and primers for species identification  
INVENTOR: Sweet Han Goh, Vancouver, Canada  
Anthony W. Chow, West Vancouver, Canada  
Sean Hemmingsen, Saskatoon, Canada  
ASSIGNEE: The National Research Council, Ottawa, Canada (foreign corp.)  
University of British Columbia, Vancouver, Canada (foreign corp.)  
APPL-NO: 08/429,121  
DATE FILED: Apr. 26, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Fish & Richardson, P.C.

US PAT NO: 5,705,627 [IMAGE AVAILABLE] L1: 20 of 75  
DATE ISSUED: Jan. 6, 1998  
TITLE: Detection of human papillomavirus by the polymerase chain reaction using specific L1, and E6 probes  
INVENTOR: M. Michele Manos, Richmond, CA  
Heidi M. Bauer, Oakland, CA  
Catherine E. Greer, Oakland, CA  
Robert M. Resnick, Richmond, CA  
Yi Ting, Berkeley, CA  
ASSIGNEE: Roche Molecular Systems, Inc., Branchburg, NJ (U.S. corp.)  
APPL-NO: 08/452,055  
DATE FILED: May 26, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: George W. Johnston, Patricia S. Rocha-Tramalon, Stacey R. Sias

US PAT NO: 5,700,683 [IMAGE AVAILABLE] L1: 21 of 75  
DATE ISSUED: Dec. 23, 1997  
TITLE: Virulence-attenuating genetic deletions deleted from mycobacterium BCG  
INVENTOR: Charles Kendall Stover, Mercer Island, WA  
Gregory G. Mahairas, Seattle, WA  
ASSIGNEE: Pathogenesis Corporation, Seattle, WA (U.S. corp.)  
APPL-NO: 08/390,878  
DATE FILED: Feb. 17, 1995  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Townsend and Townsend and Crew LLP

US PAT NO: 5,698,686 [IMAGE AVAILABLE] L1: 22 of 75  
DATE ISSUED: Dec. 16, 1997  
TITLE: Yeast telomerase compositions  
INVENTOR: Daniel E. Gottschling, Chicago, IL  
Miriam S. Singer, Chicago, IL  
ASSIGNEE: Arch Development Corporation, Chicago, IL (U.S. corp.)  
APPL-NO: 08/431,080  
DATE FILED: Apr. 28, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Arnold, White & Durkee

US PAT NO: 5,698,400 [IMAGE AVAILABLE] L1: 23 of 75  
DATE ISSUED: Dec. 16, 1997  
TITLE: Detection of mutation by resolvase cleavage  
INVENTOR: Richard G. H. Cotton, Melbourne, Australia  
Rima Youil, Melbourne, Australia  
Borries W. Kemper, Koln, Federal Republic of Germany  
ASSIGNEE: Avitech Diagnostics, Inc., Malvern, PA (U.S. corp.)  
APPL-NO: 08/714,626  
DATE FILED: Sep. 16, 1996  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Clark & Elbing LLP

US PAT NO: 5,698,397 [IMAGE AVAILABLE] L1: 24 of 75  
DATE ISSUED: Dec. 16, 1997  
TITLE: Up-converting reporters for biological and other assays  
using laser excitation techniques  
INVENTOR: David A. Zarling, Menlo Park, CA  
Michel J. Rossi, Lausanne, Switzerland  
Norman A. Peppers, Belmont, CA  
James Kane, Lawrenceville, NJ  
Gregory W. Faris, Menlo Park, CA  
Mark J. Dyer, San Jose, CA  
Steve Y. Ng, San Francisco, CA  
Luke V. Schneider, Half Moon Bay, CA  
ASSIGNEE: SRI International, Menlo Park, CA (U.S. corp.)  
APPL-NO: 08/482,203  
DATE FILED: Jun. 7, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Morgan, Lewis & Bockius LLP

US PAT NO: 5,698,394 [IMAGE AVAILABLE] L1: 25 of 75  
DATE ISSUED: Dec. 16, 1997  
TITLE: Nucleotide sequences and methods for detection of  
Serpulina hyodysenteriae  
INVENTOR: Gerald E. Duhamel, Lincoln, NE  
Robert Elder, Lincoln, NE  
ASSIGNEE: Board of Regents of the University of Nebraska, NE (U.S. corp.)  
APPL-NO: 08/252,492  
DATE FILED: Jun. 1, 1994  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Suiter & Associates PC

US PAT NO: 5,691,146 [IMAGE AVAILABLE] L1: 26 of 75  
DATE ISSUED: Nov. 25, 1997  
TITLE: Methods for combined PCR amplification and hybridization  
probing using doubly labeled fluorescent probes  
INVENTOR: Paul E. Mayrand, Pacifica, CA  
ASSIGNEE: The Perkin Elmer Corporation, Foster City, CA (U.S. corp.)  
APPL-NO: 08/710,075  
DATE FILED: Sep. 11, 1996  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Paul D. Grossman

US PAT NO: 5,690,894 [IMAGE AVAILABLE] L1: 27 of 75  
DATE ISSUED: Nov. 25, 1997  
TITLE: High density array fabrication and readout method for a  
fiber optic biosensor  
INVENTOR: Daniel Pinkel, Walnut Creek, CA  
Joe Gray, San Francisco, CA  
ASSIGNEE: The Regents of the University of California, Oakland, CA (U.S. corp.)  
APPL-NO: 08/448,043  
DATE FILED: May 23, 1995  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Townsend and Townsend and Crew LLP

US PAT NO: 5,681,702 [IMAGE AVAILABLE] L1: 28 of 75  
DATE ISSUED: Oct. 28, 1997  
TITLE: Reduction of nonspecific hybridization by using novel  
base-pairing schemes  
INVENTOR: Mark L. Collins, Walnut Creek, CA  
Thomas Horn, Berkeley, CA  
Patrick J. Sheridan, San Leandro, CA  
Brian D. Warner, Martinez, CA

Michael S. Urdea, Alamo, CA  
ASSIGNEE: Chiron Corporation, Emeryville, CA (U.S. corp.)  
APPL-NO: 08/298,073  
DATE FILED: Aug. 30, 1994  
ART-UNIT: 189  
PRIM-EXMR: George G. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Kenneth M. Goldman, Robert P. Blackburn

US PAT NO: 5,679,553 [IMAGE AVAILABLE] L1: 29 of 75  
DATE ISSUED: Oct. 21, 1997  
TITLE: Process for rendering a nucleic acid amplification reaction  
product incapable of being a target for further  
amplification, a diagnostic assay employing said process  
INVENTOR: Bob Van Gemen, Bostel, Netherlands  
Adriana Frederieke Schukkink, Houten, Netherlands  
ASSIGNEE: Akzo Nobel N.V., Arnhem, Netherlands (foreign corp.)  
APPL-NO: 08/519,478  
DATE FILED: Aug. 25, 1995  
ART-UNIT: 189  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Mary E. Gormley

US PAT NO: 5,679,510 [IMAGE AVAILABLE] L1: 30 of 75  
DATE ISSUED: Oct. 21, 1997  
TITLE: Quantitative detection of specific nucleic acid sequences  
using lambdaoid bacteriophages linked by oligonucleotides  
to solid support  
INVENTOR: Bryan L. Ray, Burlington, MA  
Edmund C. C. Lin, Boston, MA  
ASSIGNEE: Hybridon, Inc., Cambridge, MA (U.S. corp.)  
APPL-NO: 08/368,870  
DATE FILED: Jan. 5, 1995  
ART-UNIT: 189  
PRIM-EXMR: George G. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Ann-Louise Hale and Dorr LLP Kerner, Ph.D.

US PAT NO: 5,674,856 [IMAGE AVAILABLE] L1: 31 of 75  
DATE ISSUED: Oct. 7, 1997  
TITLE: Modified oligodeoxyribonucleotides  
INVENTOR: Hidehiko Furukawa, Tokyo, Japan  
Kenji Momota, Tokyo, Japan  
Hitoshi Hotoda, Tokyo, Japan  
Makoto Koizumi, Tokyo, Japan  
Masakatsu Kaneko, Tokyo, Japan  
ASSIGNEE: Sankyo Company, Limited, Tokyo, Japan (foreign corp.)  
APPL-NO: 08/393,510  
DATE FILED: Feb. 23, 1995  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Frishauf, Holtz, Goodman, Langer & Chick, P.C.

US PAT NO: 5,667,969 [IMAGE AVAILABLE] L1: 32 of 75  
DATE ISSUED: Sep. 16, 1997  
TITLE: Alteration of sequence of a deleterious target molecule by  
ribozyme catalyzed trans-splicing  
INVENTOR: Bruce A. Sullenger, Westminster, CO  
Thomas R. Cech, Boulder, CO  
ASSIGNEE: University Research Corporation, Boulder, CO (U.S. corp.)  
APPL-NO: 08/152,450  
DATE FILED: Nov. 12, 1993  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Lyon & Lyon

US PAT NO: 5,665,874 [IMAGE AVAILABLE] L1: 33 of 75  
DATE ISSUED: Sep. 9, 1997  
TITLE: Cancer related antigen  
INVENTOR: Francis P. Kuhajda, Lutherville, MD  
Gary R. Pasternack, Baltimore, MD  
ASSIGNEE: John Hopkins University, Baltimore, MD (U.S. corp.)  
APPL-NO: 08/469,005  
DATE FILED: Jun. 5, 1995  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Baker & Botts, L.L.P.

US PAT NO: 5,665,572 [IMAGE AVAILABLE] L1: 34 of 75  
DATE ISSUED: Sep. 9, 1997

TITLE: Polymerase chain reaction amplification method using a single primer which randomly anneals  
INVENTOR: Joh-E Ikeda, Ibaraki, Japan  
Shinji Hadano, Kanagawa, Japan  
Hanuhiko Yokoi, Kanagawa, Japan  
ASSIGNEE: Research Development Corporation of Japan, Tokyo, Japan (foreign corp.)  
APPL-NO: 08/294,606  
DATE FILED: Aug. 23, 1994  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Wenderoth, Lind & Ponack

US PAT NO: 5,665,549 [IMAGE AVAILABLE] L1: 35 of 75  
DATE ISSUED: Sep. 9, 1997  
TITLE: Comparative genomic hybridization (CGH)  
INVENTOR: Daniel Pinkel, Walnut Creek, CA  
Joe W. Gray, San Francisco, CA  
Anne Kallioniemi, Tampere, Finland  
Olli-Pekka Kallioniemi, Tampere, Finland  
Frederic Waldman, San Francisco, CA  
ASSIGNEE: The Regents of the University of California, Oakland, CA (U.S. corp.)  
APPL-NO: 08/466,122  
DATE FILED: Jun. 6, 1995  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Burns, Doane, Swecker & Mathis, L.L.P.

US PAT NO: 5,659,023 [IMAGE AVAILABLE] L1: 36 of 75  
DATE ISSUED: Aug. 19, 1997  
TITLE: Nucleotide analogues  
INVENTOR: Petr Alexander, San Mateo, CA  
Ernest J. Prisbe, Los Altos, CA  
ASSIGNEE: Gilead Sciences, Inc., Foster City, CA (U.S. corp.)  
APPL-NO: 08/384,504  
DATE FILED: Feb. 1, 1995  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Max D. Hensley

US PAT NO: 5,656,429 [IMAGE AVAILABLE] L1: 37 of 75  
DATE ISSUED: Aug. 12, 1997  
TITLE: Polynucleotide and protein analysis method using magnetizable moieties  
INVENTOR: Lonnie W. Adelman, 4565 - 62nd St., San Diego, CA 92115  
APPL-NO: 08/316,772  
DATE FILED: Oct. 3, 1994  
ART-UNIT: 189  
PRIM-EXMR: George G. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: McAulay Fisher Nissen Goldberg & Kiel, LLP

US PAT NO: 5,654,145 [IMAGE AVAILABLE] L1: 38 of 75  
DATE ISSUED: Aug. 5, 1997  
TITLE: Trophinin and trophinin-assisting nucleic acids and methods of detection thereof  
INVENTOR: Michiko N. Fukuda, San Diego, CA  
ASSIGNEE: La Jolla Cancer Research Foundation, La Jolla, CA (U.S. corp.)  
APPL-NO: 08/439,818  
DATE FILED: May 12, 1995  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Campbell & Flores, LLP

US PAT NO: 5,652,107 [IMAGE AVAILABLE] L1: 39 of 75  
DATE ISSUED: Jul. 29, 1997  
TITLE: Diagnostic assays and kits for RNA using RNA binary probes and a ribozyme ligase  
INVENTOR: Paul M. Lizardi, Colonia Rancho Cortez Cuernavaca, Mexico  
Sanjay Tyagi, New York, NY  
Ulf D. Landegren, Uppsala, Sweden  
Fred R. Kramer, Riverdale, NY  
Jack W. Szostak, Boston, MA  
ASSIGNEE: The Public Health Research Institute of the City of New York, Inc., New York, NY (U.S. corp.)  
APPL-NO: 08/683,045  
DATE FILED: Jul. 15, 1996  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott

ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Fish & Richardson P.C.

US PAT NO: 5,646,126 [IMAGE AVAILABLE] L1: 40 of 75  
DATE ISSUED: Jul. 8, 1997  
TITLE: Sterol modified oligonucleotide duplexes having anticancer activity  
INVENTOR: Yung-chi Cheng, Woodbridge, CT  
Eugeny A. Lukhtanov, Bothell, WA  
Rich B. Meyer, Jr., Woodinville, WA  
Balakrishna S. Pai, New Haven, CT  
Michael W. Reed, Seattle, WA  
James H. Zhou, West Haven, CT  
ASSIGNEE: Epoch Pharmaceuticals (U.S. corp.)  
Yale University (U.S. corp.)  
APPL-NO: 08/202,927  
DATE FILED: Feb. 28, 1994  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Klein & Szekeres, LLP

US PAT NO: 5,643,766 [IMAGE AVAILABLE] L1: 41 of 75  
DATE ISSUED: Jul. 1, 1997  
TITLE: Synthesis of full-length, double-stranded DNA from a single-stranded linear DNA template  
INVENTOR: George Scheele, Brookline, MA  
Shin-ichi Fukuoka, Boston, MA  
ASSIGNEE: Beth Israel Hospital Association, Boston, MA (U.S. corp.)  
APPL-NO: 08/322,599  
DATE FILED: Oct. 13, 1994  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Fish & Richardson P.C.

US PAT NO: 5,643,763 [IMAGE AVAILABLE] L1: 42 of 75  
DATE ISSUED: Jul. 1, 1997  
TITLE: Method for making recombinant yeast artificial chromosomes by minimizing diploid doubling during mating  
INVENTOR: Barbara Dunn, Los Altos, CA  
Theodore K. Choi, Berkeley, CA  
ASSIGNEE: Genpharm International, Inc., Mountain View, CA (U.S. corp.)  
APPL-NO: 08/335,116  
DATE FILED: Nov. 4, 1994  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Cooley Godward LLP

US PAT NO: 5,643,729 [IMAGE AVAILABLE] L1: 43 of 75  
DATE ISSUED: Jul. 1, 1997  
TITLE: Methods for diagnosing cancer, precancerous state, or susceptibility to other forms of diseases by detecting an acceleration of exon skipping in IRF-1 mRNA  
INVENTOR: Tadatsugu Taniguchi, Ibaraki, Japan  
Hisashi Harada, Suita, Japan  
ASSIGNEE: Boehringer Ingelheim International GmbH, Federal Republic of Germany (foreign corp.)  
APPL-NO: 08/393,997  
DATE FILED: Feb. 24, 1995  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Sterne, Kessler, Goldstein & Fox P.L.L.C.

US PAT NO: 5,641,658 [IMAGE AVAILABLE] L1: 44 of 75  
DATE ISSUED: Jun. 24, 1997  
TITLE: Method for performing amplification of nucleic acid with two primers bound to a single solid support  
INVENTOR: Christopher P. Adams, Winter Hill, MA  
Stephen Joseph Kron, Boston, MA  
ASSIGNEE: Mosaic Technologies, Inc., Winter Hill, MA (U.S. corp.)  
Whitehead Institute for Biomedical Research, Cambridge, MA (U.S. corp.)  
APPL-NO: 08/285,385  
DATE FILED: Aug. 3, 1994  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Dann, Dorfman, Herrell and Skillman

US PAT NO: 5,639,871 [IMAGE AVAILABLE] L1: 45 of 75



DATE ISSUED: Jun. 17, 1997  
TITLE: Detection of human papillomavirus by the polymerase chain reaction  
INVENTOR: Heidi M. Bauer, San Francisco, CA  
Patti E. Gravitt, Oakland, CA  
Catherine E. Greer, Oakland, CA  
Chaka C. Impraim, Danville, CA  
M. Michele Manos, Baltimore, MD  
Robert M. Resnick, Oakland, CA  
Tracy Yi Zhang, Albany, CA  
ASSIGNEE: Roche Molecular Systems, Inc., Branchburg, NJ (U.S. corp.)  
APPL-NO: 08/457,648  
DATE FILED: Jun. 1, 1995  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: George W. Johnston, Stacey R. Sias, Douglas A. Petry

US PAT NO: 5,637,462 [IMAGE AVAILABLE] L1: 46 of 75  
DATE ISSUED: Jun. 10, 1997  
TITLE: Cathepsin C homolog  
INVENTOR: Roger Coleman, Mountain View, CA  
Scott M. Braxton, San Mateo, CA  
Jeffrey J. Seilhamer, Los Altos Hills, CA  
ASSIGNEE: Incyte Pharmaceuticals, Inc., Palo Alto, CA (U.S. corp.)  
APPL-NO: 08/426,428  
DATE FILED: Apr. 19, 1995  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Barbara J. Luther, Lucy J. Billings

US PAT NO: 5,637,460 [IMAGE AVAILABLE] L1: 47 of 75  
DATE ISSUED: Jun. 10, 1997  
TITLE: Restrained multifunctional reagent for surface modification  
INVENTOR: Dale G. Swan, St. Louis Park, MN  
Charles A. Hastings, Hopkins, MN  
ASSIGNEE: BSI Corporation, Eden Prairie, MN (U.S. corp.)  
APPL-NO: 08/344,570  
DATE FILED: Nov. 23, 1994  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Fredrikson & Byron, P.A.

US PAT NO: 5,633,362 [IMAGE AVAILABLE] L1: 48 of 75  
DATE ISSUED: May 27, 1997  
TITLE: Production of 1,3-propanediol from glycerol by recombinant bacteria expressing recombinant diol dehydratase  
INVENTOR: Vasantha Nagarajan, Wilmington, DE  
Charles E. Nakamura, Claymont, DE  
ASSIGNEE: E. I. Du Pont de Nemours and Company, Wilmington, DE (U.S. corp.)  
APPL-NO: 08/440,377  
DATE FILED: May 12, 1995  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*

US PAT NO: 5,631,128 [IMAGE AVAILABLE] L1: 49 of 75  
DATE ISSUED: May 20, 1997  
TITLE: Polymerase chain reaction assays for monitoring antiviral therapy and making therapeutic decisions in the treatment of acquired immunodeficiency syndrome  
INVENTOR: Michael J. Kozal, Menlo Park, CA  
Thomas C. Merigan, Portola Valley, CA  
ASSIGNEE: Leland Stanford Junior University, Palo Alto, CA (U.S. corp.)  
APPL-NO: 08/290,311  
DATE FILED: Aug. 15, 1994  
ART-UNIT: 189  
PRIM-EXMR: George C. Elliott  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Pennie & Edmonds

US PAT NO: 5,624,798 [IMAGE AVAILABLE] L1: 50 of 75  
DATE ISSUED: Apr. 29, 1997  
TITLE: Detection method of nucleic acid by use of fluorescent pyrylium stain in intercalation into nucleic acids  
INVENTOR: Nobuko Yamamoto, Isehara, Japan  
Tadashi Okamoto, Yokohama, Japan  
Yoshinori Tomida, Atsugi, Japan  
Takeshi Miyazaki, Ebina, Japan  
Masahiro Kawaguchi, Atsugi, Japan

ASSIGNEE: Canon Kabushiki Kaisha, Tokyo, Japan (foreign corp.)  
APPL-NO: 08/170,689  
DATE FILED: Dec. 21, 1993  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Fitzpatrick, Cella, Harper & Scinto

US PAT NO: 5,622,827 [IMAGE AVAILABLE] L1: 51 of 75  
DATE ISSUED: Apr. 22, 1997  
TITLE: Amplification primers and nucleic acid probes targeted to coccidioides immitis nucleic acid  
INVENTOR: Diane L. McAllister, San Diego, CA  
Kathleen A. Clark, Cardiff-By-The-Sea, CA  
ASSIGNEE: Gen-Probe Incorporated, San Diego, CA (U.S. corp.)  
APPL-NO: 08/384,541  
DATE FILED: Feb. 7, 1995  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Lyon & Lyon

US PAT NO: 5,620,847 [IMAGE AVAILABLE] L1: 52 of 75  
DATE ISSUED: Apr. 15, 1997  
TITLE: Methods and reagents for detection of bacteria in cerebrospinal fluid  
INVENTOR: Kay S. Greisen, Oakland, CA  
Diane U. Leong, Berkeley, CA  
ASSIGNEE: Hoffman-La Roche Inc., Nutley, NJ (U.S. corp.)  
APPL-NO: 08/244,269  
DATE FILED: May 16, 1994  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: George W. Johnston, Patricia S. Rocha-Tramalon, Raina Seminow

US PAT NO: 5,610,016 [IMAGE AVAILABLE] L1: 53 of 75  
DATE ISSUED: Mar. 11, 1997  
TITLE: Method for measuring adenylyl group-containing substances using heteropoly-acid  
INVENTOR: Naofumi Sato, Saitama, Japan  
Kamon Shirakawa, Saitama, Japan  
ASSIGNEE: Mochida Pharmaceutical Co., Ltd., Tokyo, Japan (foreign corp.)  
APPL-NO: 08/413,279  
DATE FILED: Mar. 30, 1995  
ART-UNIT: 187  
PRIM-EXMR: Bradley L. Sisson  
ASST-EXMR: \*\*Jeffrey Fredman\*\*

US PAT NO: 5,605,797 [IMAGE AVAILABLE] L1: 54 of 75  
DATE ISSUED: Feb. 25, 1997  
TITLE: Bovine .beta.-mannosidase gene and methods of use  
INVENTOR: Karen Friderici, Bath, MI  
Margaret Z. Jones, East Lansing, MI  
Hong Chen, Chapel Hill, NC  
Kevin T. Cavanagh, Okemos, MI  
ASSIGNEE: Board Of Trustees Operating Michigan State University, East Lansing, MI (U.S. corp.)  
APPL-NO: 08/306,546  
DATE FILED: Sep. 15, 1994  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Harness, Dickey & Pierce P.L.C.

US PAT NO: 5,602,243 [IMAGE AVAILABLE] L1: 55 of 75  
DATE ISSUED: Feb. 11, 1997  
TITLE: DCC probes, primers, and kits  
INVENTOR: Bert Vogelstein, Baltimore, MD  
ASSIGNEE: The Johns Hopkins University, Baltimore, MD (U.S. corp.)  
APPL-NO: 08/442,761  
DATE FILED: May 17, 1995  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Banner & Witcoff, Ltd.

US PAT NO: 5,599,918 [IMAGE AVAILABLE] L1: 56 of 75  
DATE ISSUED: Feb. 4, 1997  
TITLE: Nucleic acids encoding trophinin and trophinin-assisting proteins  
INVENTOR: Michiko N. Fukuda, San Diego, CA

ASSIGNEE: La Jolla Cancer Research Foundation, La Jolla, CA (U.S. corp.)  
APPL-NO: 08/317,522  
DATE FILED: Oct. 4, 1994  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Campbell & Flores

US PAT NO: 5,599,695 [IMAGE AVAILABLE] L1: 57 of 75  
DATE ISSUED: Feb. 4, 1997  
TITLE: Printing molecular library arrays using deprotection agents solely in the vapor phase  
INVENTOR: R. Fabian Pease, Stanford, CA  
Glenn McGall, Mountain View, CA  
Martin J. Goldberg, San Jose, CA  
Richard P. Rava, Palo Alto, CA  
Stephen P. A. Fodor, Palo Alto, CA  
Virginia Goss, Santa Barbara, CA  
Lubert Stryer, Stanford, CA  
James L. Winkler, Sunnyvale, CA  
ASSIGNEE: Affymetrix, Inc., Santa Clara, CA (U.S. corp.)  
APPL-NO: 08/395,604  
DATE FILED: Feb. 27, 1995  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Townsend & Townsend & Crew LLP

US PAT NO: 5,593,840 [IMAGE AVAILABLE] L1: 58 of 75  
DATE ISSUED: Jan. 14, 1997  
TITLE: Amplification of nucleic acid sequences  
INVENTOR: Satish K. Bhatnagar, Gaithersburg, MD  
Albert L. George, Jr., Gaithersburg, MD  
Irina Nazarenko, Gaithersburg, MD  
ASSIGNEE: Oncor, Inc., Gaithersburg, MD (U.S. corp.)  
APPL-NO: 08/461,823  
DATE FILED: Jun. 5, 1995  
ART-UNIT: 187  
PRIM-EXMR: Bradley L. Sisson  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Glenn E. Karta

US PAT NO: 5,593,833 [IMAGE AVAILABLE] L1: 59 of 75  
DATE ISSUED: Jan. 14, 1997  
TITLE: Assessment of allelic variation in vitamin D receptor correlated to bone density or turnover  
INVENTOR: Nigel A. Morrison, Pagewood, Australia  
John A. Eisman, Lindfield, Australia  
Paul J. Kelly, Waverly, Australia  
ASSIGNEE: Garvan Institute of Medical Research, Darlinghurst, Australia (foreign corp.)  
APPL-NO: 08/379,496  
DATE FILED: Mar. 2, 1995  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Rothwell, Figg, Ernst & Kurz

US PAT NO: 5,587,288 [IMAGE AVAILABLE] L1: 60 of 75  
DATE ISSUED: Dec. 24, 1996  
TITLE: Regulation of exoprotein in Staphylococcus aureus  
INVENTOR: Ambrose Cheung, New York, NY  
Vincent A. Fischetti, West Hempstead, NY  
ASSIGNEE: The Rockefeller University, New York, NY (U.S. corp.)  
APPL-NO: 08/248,505  
DATE FILED: May 24, 1994  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Burns, Doane, Swecker & Mathis, L.L.P.

US PAT NO: 5,582,982 [IMAGE AVAILABLE] L1: 61 of 75  
DATE ISSUED: Dec. 10, 1996  
TITLE: Background-reducing compounds for probe-mediated fluorimetric flow cytometric assays  
INVENTOR: Michael L. Cabbage, Houston, TX  
Shyh C. Ju, Flowermound, TX  
Nagindra Prashad, Houston, TX  
William D. Weber, Bellaire, TX  
Joel Bresser, Bellaire, TX  
ASSIGNEE: Arogenex, Inc., Houston, TX (U.S. corp.)  
APPL-NO: 08/243,597  
DATE FILED: May 16, 1994  
ART-UNIT: 187

PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Elman & Associates

US PAT NO: 5,580,727 [IMAGE AVAILABLE] L1: 62 of 75  
DATE ISSUED: Dec. 3, 1996  
TITLE: Aml1-MTg8 fusion protein resulting from T(8;21) translocation in acute myeloid leukemia  
INVENTOR: Misao Ohki, Kokubunji, Japan  
Kimiko Kikuchi, Tokyo, Japan  
Hiroyuki Miyoshi, Ageo, Japan  
Tomoko Kozu, Kitamoto, Japan  
ASSIGNEE: SRL, Inc., Tokyo, Japan (foreign corp.)  
APPL-NO: 08/244,189  
DATE FILED: Aug. 15, 1994  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Birch, Stewart, Kolasch & Birch, LLP

US PAT NO: 5,578,458 [IMAGE AVAILABLE] L1: 63 of 75  
DATE ISSUED: Nov. 26, 1996  
TITLE: Mutation detection by competitive oligonucleotide priming  
INVENTOR: Charles T. Caskey, Houston, TX  
Richard A. L. Gibbs, Houston, TX  
ASSIGNEE: Baylor College of Medicine, Houston, TX (U.S. corp.)  
APPL-NO: 07/769,743  
DATE FILED: Oct. 1, 1991  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Fulbright & Jaworski LLP

US PAT NO: 5,576,197 [IMAGE AVAILABLE] L1: 64 of 75  
DATE ISSUED: Nov. 19, 1996  
TITLE: Polymerase chain reaction container and methods of using the same  
INVENTOR: Robert Arnold, San Diego, CA  
ASSIGNEE: Molecular Bio-Products, San Diego, CA (U.S. corp.)  
APPL-NO: 08/418,537  
DATE FILED: Apr. 7, 1995  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Campbell & Flores LLP

US PAT NO: 5,571,702 [IMAGE AVAILABLE] L1: 65 of 75  
DATE ISSUED: Nov. 5, 1996  
TITLE: Amplification method for detection of human PF4A receptors  
INVENTOR: James Lee, San Bruno, CA  
William E. Holmes, Pacifica, CA  
William I. Wood, San Mateo, CA  
ASSIGNEE: Genentech, Inc., South San Francisco, CA (U.S. corp.)  
APPL-NO: 08/410,455  
DATE FILED: Mar. 24, 1995  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Richard B. Love

US PAT NO: 5,571,675 [IMAGE AVAILABLE] L1: 66 of 75  
DATE ISSUED: Nov. 5, 1996  
TITLE: Detection and amplification of candiotrophin-1 (cardiac hypertrophy factor)  
INVENTOR: Joffre Baker, El Granada, CA  
Kenneth Chien, La Jolla, CA  
Kathleen King, Pacifica, CA  
Diane Pennica, Burlingame, CA  
William Wood, San Mateo, CA  
ASSIGNEE: Genentech, Inc., South San Francisco, CA (U.S. corp.)  
Regents of the Univ. of California, Oakland, CA (U.S. corp.)  
APPL-NO: 08/444,083  
DATE FILED: May 17, 1995  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Timothy E. Torchia, Janet E. Hasak

US PAT NO: 5,561,044 [IMAGE AVAILABLE] L1: 67 of 75  
DATE ISSUED: Oct. 1, 1996  
TITLE: Detection of mycobacteria by multiplex strand displacement nucleic acid amplification  
INVENTOR: George T. Walker, Chapel Hill, NC

James G. Nadeau, Chapel Hill, NC  
Patricia A. Spears, Raleigh, NC  
Colleen M. Nycz, Raleigh, NC  
Daryl D. Shank, Durham, NC  
James L. Schram, Knightdale, NC  
Stewart R. Jurgensen, Raleigh, NC  
ASSIGNEE: Becton, Dickinson and Company, Franklin Lakes, NJ (U.S. corp.)  
APPL-NO: 08/398,305  
DATE FILED: Mar. 3, 1995  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Donna R. Fugit

US PAT NO: 5,552,537 [IMAGE AVAILABLE] L1: 68 of 75  
DATE ISSUED: Sep. 3, 1996  
TITLE: IgE isoforms and methods of use  
INVENTOR: Andrew Saxon, Santa Monica, CA  
Ke Zhang, Los Angeles, CA  
Edward E. Max, Bethesda, MD  
ASSIGNEE: The Regents of the University of California, Oakland, CA (U.S. corp.)  
APPL-NO: 08/037,579  
DATE FILED: Mar. 24, 1993  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Bertram I. Rowland, Pamela J. Sherwood

US PAT NO: 5,552,536 [IMAGE AVAILABLE] L1: 69 of 75  
DATE ISSUED: Sep. 3, 1996  
TITLE: DNA encoding precursor of interleukin-1 beta converting enzyme - related cysteine proteinase III (ice rel-III)  
INVENTOR: Donald W. Nicholson, Montreal, Canada  
Ambercen Ali, Pierrefonds, Canada  
Neil A. Munday, Guelph, Canada  
John P. Vaillancourt, Pierrefonds, Canada  
ASSIGNEE: Merck Frosst Canada, Inc., Quebec, Canada (foreign corp.)  
APPL-NO: 08/224,930  
DATE FILED: Apr. 8, 1994  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Christine E. Carty, Jack L. Tribble

US PAT NO: 5,552,284 [IMAGE AVAILABLE] L1: 70 of 75  
DATE ISSUED: Sep. 3, 1996  
TITLE: Detection of interleukin-8 receptors by nucleic acid hybridization  
INVENTOR: James Lee, San Bruno, CA  
William E. Holmes, Pacifica, CA  
William I. Wood, San Mateo, CA  
ASSIGNEE: Genentech, Inc., South San Francisco, CA (U.S. corp.)  
APPL-NO: 08/410,451  
DATE FILED: Mar. 24, 1995  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Richard B. Love

US PAT NO: 5,550,024 [IMAGE AVAILABLE] L1: 71 of 75  
DATE ISSUED: Aug. 27, 1996  
TITLE: Genetic markers for pig litter size  
INVENTOR: Max F. Rothschild, Ames, IA  
Christopher K. Tuggle, Ames, IA  
Carol D. Jacobson, Ames, IA  
David A. Vaske, Marshfield, WI  
Alan J. Mileham, Huntingdon, United Kingdom  
Graham S. Plastow, Soham, United Kingdom  
ASSIGNEE: Biotechnology Research & Development Corporation, Peoria, IL (U.S. corp.)  
Iowa State University Research Foundation, Inc., Ames, IA, a part interest (U.S. corp.)  
APPL-NO: 08/312,312  
DATE FILED: Sep. 26, 1994  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Zarley, McKee, Thomte, Voorhees, & Sease

US PAT NO: 5,536,649 [IMAGE AVAILABLE] L1: 72 of 75  
DATE ISSUED: Jul. 16, 1996  
TITLE: Decontamination of nucleic acid amplification reactions using uracil-N-glycosylase (UDG)

INVENTOR: Melinda S. Fraiser, Durham, NC  
George T. Walker, Chapel Hill, NC  
James L. Schram, Knightdale, NC  
ASSIGNEE: Becton, Dickinson and Company, Franklin Lakes, NJ (U.S. corp.)  
APPL-NO: 08/283,117  
DATE FILED: Jul. 29, 1994  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Donna R. Fugit

US PAT NO: 5,521,299 [IMAGE AVAILABLE] L1: 73 of 75  
DATE ISSUED: May 28, 1996  
TITLE: Oligonucleotides for detection of baculovirus infection  
INVENTOR: Chung-Hsiung Wang, Taipei, TAIWAN, PROVINCE OF CHINA  
Chu-Fang Lo, Taipei, TAIWAN, PROVINCE OF CHINA  
Guang-Hsung Kou, Taipei, TAIWAN, PROVINCE OF CHINA  
Chang-Jen Huang, Taipei, TAIWAN, PROVINCE OF CHINA  
Chih-Ming Chou, Taipei, TAIWAN, PROVINCE OF CHINA  
ASSIGNEE: National Science Council, TAIWAN, PROVINCE OF CHINA (foreign corp.)  
APPL-NO: 08/343,379  
DATE FILED: Nov. 22, 1994  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Fish & Richardson

US PAT NO: 5,476,768 [IMAGE AVAILABLE] L1: 74 of 75  
DATE ISSUED: Dec. 19, 1995  
TITLE: Mycobacteriophage DSGA specific for the mycobacterium tuberculosis complex  
INVENTOR: Robert E. Pearson, Durham, NC  
Julie A. Dickson, Raleigh, NC  
Paul T. Hamilton, Cary, NC  
Michael C. Little, Raleigh, NC  
Wayne F. Beyer, Jr., Bahama, NC  
ASSIGNEE: Becton, Dickinson and Company, Franklin Lakes, NJ (U.S. corp.)  
APPL-NO: 08/402,282  
DATE FILED: Mar. 10, 1995  
ART-UNIT: 187  
PRIM-EXMR: W. Gary Jones  
ASST-EXMR: \*\*Jeffrey N. Fredman\*\*  
LEGAL-REP: Donna R. Fugit

US PAT NO: 5,472,844 [IMAGE AVAILABLE] L1: 75 of 75  
DATE ISSUED: Dec. 5, 1995  
TITLE: Methods of detection of Toxoplasma gondii P22 gene  
INVENTOR: Fausto G. De Araujo, Palo Alto, CA  
Jeffrey B. Prince, Mountain View, CA  
Jack S. Remington, Menlo Park, CA  
ASSIGNEE: Research Institute of Palo Alto Medical Foundation, Palo Alto, CA (U.S. corp.)  
APPL-NO: 08/328,540  
DATE FILED: Oct. 25, 1994  
ART-UNIT: 187  
PRIM-EXMR: Stephanie W. Zitomer  
ASST-EXMR: \*\*Jeffrey Fredman\*\*  
LEGAL-REP: Cooley Godward Castro Huddleson & Tatum

L4 ANSWER 3 OF 30 CAPLUS COPYRIGHT 1998 ACS

AN 1997:466289 CAPLUS

DN 127:186226

TI A homogeneous method to quantify mRNA levels: a hybridization of \*\*\*RNase\*\*\* \*\*\*protection\*\*\* and scintillation proximity assay technologies

AU Kenrick, Michael K.; Jiang, Lixin; Potts, Cheryl L.; Owen, Penny J.; Shuey, David J.; Econome, Jason G.; Anson, John G.; Quinet, Elaine M.

CS Cardiff Laboratories, Amersham International plc, Cardiff, CF4 7YT, UK

SO Nucleic Acids Res. (1997), 25(14), 2947-2948

CODEN NARHAD; ISSN: 0305-1048

PB Oxford University Press

DT Journal

LA English

AB A novel method to measure mRNA levels has been developed by combining the detection capabilities of \*\*\*RNase\*\*\* \*\*\*protection\*\*\* (RPA) with the quantification advantages of scintillation proximity assay (SPA) technol. Sample processing is reduced to the addn. of a single reagent post RNase digestion. As a model system, the inducible expression of rat apolipoprotein-A1 mRNA has been measured by both traditional gel-based RPAs and the SPA-based RPA assay. Results demonstrate that the \*\*\*RNase\*\*\* \*\*\*protection\*\*\* proximity assay (RiPPA) faithfully reproduces the gel-based results and is at least as sensitive as many existing methods

L4 ANSWER 9 OF 30 CAPLUS COPYRIGHT 1998 ACS DUPLICATE 7

AN 1996:260186 CAPLUS

DN 124:308768

TI Detection and quantitation of specific mRNAs by ribonuclease protection assay using denaturing horizontal polyacrylamide gel electrophoresis: a radioactive and nonradioactive approach

AU Plath, Annette; Peters, Friedolf; Einspanier, Ralf

CS Institut Physiologie, Forschungszentrum Milch Lebensmittel, Weihenstephan, Freising, D-85354, Germany

SO Electrophoresis (1996), 17(3), 471-2

CODEN ELCTDN; ISSN: 0173-0835

DT Journal

LA English

AB A radioactive (32P) and nonradioactive (\*\*\*digoxigenin\*\*\*) \*\*\*RNase\*\*\* \*\*\*protection\*\*\* assay (RPA) was developed to detect mRNAs of housekeeping proteins and growth factors. A modification of polyacrylamide gel electrophoresis (PAGE) to simplify RPA is described. Both Cleangels (Pharmacia) and lab-cast polyacrylamide gels, in a denaturing, horizontal electrophoresis system, were used. The amt. of toxic chems. and waste was reduced, in comparison with sequencing gels normally used for RPA. The protected RNA fragments were shown to be well sepd., with sufficient sensitivity in this modified, quick gel system.

L4 ANSWER 12 OF 30 CAPLUS COPYRIGHT 1998 ACS DUPLICATE 9

AN 1996:195412 CAPLUS

DN 124:252020

TI S1 \*\*\*nuclease\*\*\* \*\*\*protection\*\*\* assay using \*\*\*streptavidin\*\*\* dynabeads-purified single-stranded DNA

AU Cammas, Florence M.; Clark, Adrian J. L.

CS Dep Chem. Endocrinol., St. Bartholomew's Hosp., Med. Coll., London, EC1A 7BE, UK

SO Anal. Biochem. (1996), 236(1), 182-4

CODEN ANBCA2; ISSN: 0003-2697

DT Journal

LA English

AB The main problem with S1 \*\*\*nuclease\*\*\* \*\*\*protection\*\*\* assays is the generation of a 32P end-labeled single-stranded DNA probe. The authors present a rapid and simple method to overcome this difficulty to make the assay a very attractive method for det. of gene structure. The method is based on the sepn. of double-stranded DNA after PCR with paramagnetic \*\*\*streptavidin\*\*\* dynabeads which have high affinity for the \*\*\*biotin\*\*\* moiety at the 5' end of the sense primer.

L4 ANSWER 14 OF 30 CAPLUS COPYRIGHT 1998 ACS

AN 1995:923905 CAPLUS

DN 123:334003

TI Detection of cyclin messenger RNAs by nonradioactive ribonuclease protection assay: a comparison of four detection methods

AU Nass, Sharyl J.; Dickson, Robert B.

CS Georgetown Univ., Washington, DC, USA

SO BioTechniques (1995), 19(5), 772-4, 776, 778

CODEN BTNQDO; ISSN: 0736-6205

AB Stable, nonradioactive riboprobes were used in \*\*\*RNase\*\*\* \*\*\*protection\*\*\* assays to monitor the changes in cyclin mRNA expression during cell cycle progression in human mammary epithelial cells. Probes labeled with \*\*\*biotin\*\*\* demonstrated sufficient sensitivity (comparable to 32P) to detect these low-abundance mRNAs and thus offer a safe and easy alternative to traditional

radioactive assays. Three detection systems based on chemiluminescence generated by horseradish peroxidase or alk. phosphatase were compared for sensitivity, background and ease of use.

L4 ANSWER 16 OF 30 CAPLUS COPYRIGHT 1998 ACS DUPLICATE 12

AN 1995:683440 CAPLUS

DN 123:166353

TI Increased mRNA expression of the receptor-like protein tyrosine phosphatase alpha. in late stage colon carcinomas

AU Tabiti, Karim; Smith, Duncan R.; Goh, Hak-Su; Pallen, Catherine J.

CS Cell Regulation Laboratory, Institute of Molecular and Cell Biology, National University of Singapore, Singapore, 0511, Singapore

SO Cancer Lett. (Shannon, Irel.) (1995), 93(2), 239-48

CODEN CALEDQ; ISSN: 0304-3835

DT Journal

LA English

AB The protein tyrosine phosphatase alpha. (PTP.alpha.) mRNA level in paired samples of late stage (Dukes' D) colorectal tumors and adjacent normal colon mucosa was quantified by \*\*\*RNase\*\*\* \*\*\*protection\*\*\* assays. After normalization against 18S RNA or beta-actin mRNA level, a 2-10-fold increase in PTP.alpha. mRNA was detected in 10 of 14 tumors (apprx.70%) compared to mucosa. In situ hybridization of \*\*\*digoxigenin\*\*\*-labeled antisense PTP.alpha. RNA to tumor and mucosa sections produced a signal only in neoplastic cells of the tumor sample, consistent with the high increase in PTP.alpha. mRNA detected by \*\*\*RNase\*\*\* \*\*\*protection\*\*\* assays of some of the tumors. This is the first report suggesting an assoc. of a protein tyrosine phosphatase with colorectal carcinoma. PTP.alpha. is a receptor-like PTP thought to be involved in regulating cell proliferation. Its oncogenic properties when overexpressed in cultured fibroblasts suggest that PTP.alpha. overexpression could contribute to the tumorigenic process in colon carcinoma.

L4 ANSWER 19 OF 30 BIOSIS COPYRIGHT 1998 BIOSIS

AN 95:47176 BIOSIS

DN 98061476

TI Quantification of the mRNA of different cytokines in lysates of cultured synoviocytes by use of the \*\*\*digoxigenin\*\*\*-\*\*\*RNase\*\*\* \*\*\*protection\*\*\* assay.

AU Navarrete-Santos A.; Kehlen A.; Riemann D.; Langner J

CS Inst. Med. Immunol., MLU Halle, Halle, Germany

SO XXVth Meeting of the Society of Immunology, Konstanz, Germany, September 21-24, 1994. Immunobiology 191 (2-3), 1994. 270. ISSN: 0171-2985

DT Conference

LA English

L4 ANSWER 22 OF 30 CAPLUS COPYRIGHT 1998 ACS

AN 1994:49162 CAPLUS

DN 120:49162

TI Ribonuclease protection assay: use of \*\*\*biotinylated\*\*\* probes for the detection of two messenger RNAs

AU Turnbow, Marilyn A.; Garner, Charles W.

CS Health Sci. Cent., Texas Tech Univ., Lubbock, TX, 79430, USA

SO BioTechniques (1993), 15(2), 267-70

CODEN BTNQDO; ISSN: 0736-6205

DT Journal

LA English

AB A nonradioactive modification of the traditional \*\*\*RNase\*\*\* \*\*\*protection\*\*\* assay is described and applied to the detection of two mRNAs. The \*\*\*biotinylated\*\*\* probes are stable and easy to handle, which permits the processing of large nos. of samples. Chemiluminescence is generated with \*\*\*streptavidin\*\*\*-conjugated alk. phosphatase and provides sensitivity equal to or greater than that achieved with the radioactive detection method.

L4 ANSWER 24 OF 30 CAPLUS COPYRIGHT 1998 ACS

AN 1993:33667 CAPLUS

DN 118:33667

TI Nonradioactive ribonuclease protection analysis using digoxigenin labeling and chemiluminescent detection

AU Wundrack, Iris; Dooley, Steven

CS Inst. Hum. Genet., Saar Univ., Homburg/Saar, W-6650, Germany

SO Electrophoresis (Weinheim, Fed. Repub. Ger.) (1992), 13(9-10), 637-8

CODEN ELCTDN; ISSN: 0173-0835

AB A sensitive nonradioactive \*\*\*RNase\*\*\* \*\*\*protection\*\*\* assay is described which was used to study c-myc gene transcription and promoter usage in GLC4, a human small cell lung carcinoma cell line with amplified gene. For in vitro transcription digoxigenin (DIG)-rUTP was used instead of [alpha.-32P]CTP or [alpha.-32P]UTP and after polyacrylamide gel electrophoresis the protected probes were transferred to a nylon membrane from Boehringer Mannheim using electroblotting. Subsequently the membrane was analyzed by chemiluminescent detection. Results were obtained after 1 h of exposure and were comparable with those using radioactivity.

L1 ANSWER 1 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 1998:317855 SCISEARCH  
GA The Genuine Article (R) Number: ZH855  
TI Factors impeding efficient expression of factor VIII complementary DNA minigenes  
AU Hoeben R C (Reprint); Fallaux F J; Schagen F H E; vanderEb M M; vanOrmondt H; vanderEb A J  
CS LEIDEN UNIV, DEPT MOL CELL BIOL, APPL VIROL GRP, WASSENAARSEWEG 72, NL-2333 AL LEIDEN, NETHERLANDS (Reprint); LEIDEN UNIV, DEPT SURG, LEIDEN, NETHERLANDS  
CYA NETHERLANDS  
SO BLOOD COAGULATION & FIBRINOLYSIS, (DEC 1997) Vol. 8, Supp. [2], pp. S15-S21.  
Publisher: RAPID SCIENCE PUBLISHERS, 2-6 BOUNDARY ROW, LONDON, ENGLAND SE1 8NH.  
ISSN: 0957-5235.  
DT Article; Journal  
FS LIFE  
LA English  
REC Reference Count: 74  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
=====

FREDMAN J N |1993| 67 |3384| J VIROL <--

L1 ANSWER 2 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 1998:240176 SCISEARCH  
GA The Genuine Article (R) Number: ZC506  
TI Localization of human cytomegalovirus structural proteins to the nuclear matrix of infected human fibroblasts  
AU Sanchez V; Angeletti P C; Engler J A; Britt W J (Reprint)  
CS UNIV ALABAMA, DEPT MICROBIOL, 1600 7TH AVE S, SUITE 752, BIRMINGHAM, AL 35233 (Reprint); UNIV ALABAMA, DEPT MICROBIOL, BIRMINGHAM, AL 35233; UNIV ALABAMA, DEPT BIOCHEM & MOL GENET, BIRMINGHAM, AL 35233.  
UNIV ALABAMA, DEPT PEDIAT, BIRMINGHAM, AL 35233  
CYA USA  
SO JOURNAL OF VIROLOGY, (APR 1998) Vol. 72, No. 4, pp. 3321-3329.  
Publisher: AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW, WASHINGTON, DC 20005-4171.  
ISSN: 0022-538X.  
DT Article; Journal  
FS LIFE  
LA English  
REC Reference Count: 66  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
=====

FREDMAN J N |1993| 67 |3384| J VIROL <--

L1 ANSWER 3 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 1998:240126 SCISEARCH  
GA The Genuine Article (R) Number: ZC506  
TI Adenovirus preterminal protein binds to the CAD enzyme at active sites of viral DNA replication on the nuclear matrix  
AU Angeletti P C; Engler J A (Reprint)  
CS UNIV ALABAMA, SCH MED, DEPT BIOCHEM & MOL GENET, ROOM 460, BASIC HLTH SCI BLDG, BIRMINGHAM, AL 35294 (Reprint); UNIV ALABAMA, SCH MED, DEPT BIOCHEM & MOL GENET, BIRMINGHAM, AL 35294; UNIV ALABAMA, SCH DENT, BIRMINGHAM, AL 35294  
CYA USA  
SO JOURNAL OF VIROLOGY, (APR 1998) Vol. 72, No. 4, pp. 2896-2904.  
Publisher: AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW, WASHINGTON, DC 20005-4171.  
ISSN: 0022-538X.  
DT Article; Journal  
FS LIFE  
LA English  
REC Reference Count: 69  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
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FREDMAN J N |1991| 65 |4591| J VIROL <--  
FREDMAN J N |1993| 67 |3384| J VIROL <--

L1 ANSWER 4 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 1998:206804 SCISEARCH  
GA The Genuine Article (R) Number: ZA438  
TI Adenovirus DNA polymerase: domain organisation and interaction with

preterminal protein  
AU Parker E J; Botting C H; Webster A; Hay R T (Reprint)  
CS UNIV ST ANDREWS, SCH BIOMED SCI, IRVINE BLDG, NORTH ST, ST ANDREWS KY16 9AL, FIFE, SCOTLAND (Reprint); UNIV ST ANDREWS, SCH BIOMED SCI, ST ANDREWS KY16 9AL, FIFE, SCOTLAND  
CYA SCOTLAND  
SO NUCLEIC ACIDS RESEARCH, (1 MAR 1998) Vol. 26, No. 5, pp. 1240-1247.  
Publisher: OXFORD UNIV PRESS, GREAT CLARENDON ST, OXFORD, ENGLAND OX2 6DP.  
ISSN: 0305-1048.  
DT Article; Journal  
FS LIFE  
LA English  
REC Reference Count: 50  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
=====

FREDMAN J N |1993| 67 |3384| J VIROL <--

L1 ANSWER 5 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 97:917647 SCISEARCH  
GA The Genuine Article (R) Number: YK361  
TI Adenoviral preterminal protein stabilizes mini-adenoviral genomes in vitro and in vivo  
AU Lieber A; He C Y; Kay M A (Reprint)  
CS UNIV WASHINGTON, DEPT MED, DIV MED GENET, SEATTLE, WA 98195 (Reprint); UNIV WASHINGTON, DEPT MED, DIV MED GENET, SEATTLE, WA 98195  
CYA USA  
SO NATURE BIOTECHNOLOGY, (DEC 1997) Vol. 15, No. 13, pp. 1383-1387.  
Publisher: NATURE PUBLISHING CO, 345 PARK AVE SOUTH, NEW YORK, NY 10010-1707.  
ISSN: 1087-0156.  
DT Article; Journal  
FS LIFE; AGRI  
LA English  
REC Reference Count: 30  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
=====

FREDMAN J N |1993| 67 |3384| J VIROL <--

L1 ANSWER 6 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 97:734695 SCISEARCH  
GA The Genuine Article (R) Number: XY515  
TI Dissociation of the protein primer and DNA polymerase after initiation of adenovirus DNA replication  
AU King A J; Teertstra W R; vanderVliet P C (Reprint)  
CS UNIV UTRECHT, PHYSIOL CHEM LAB, POB 80042, NL-3508 TA UTRECHT, NETHERLANDS (Reprint); UNIV UTRECHT, PHYSIOL CHEM LAB, NL-3508 TA UTRECHT, NETHERLANDS  
CYA NETHERLANDS  
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (26 SEP 1997) Vol. 272, No. 39, pp. 24617-24623.  
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.  
ISSN: 0021-9258.  
DT Article; Journal  
FS LIFE  
LA English  
REC Reference Count: 32  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
=====

FREDMAN J N |1993| 67 |3384| J VIROL <--

L1 ANSWER 7 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 97:617812 SCISEARCH  
GA The Genuine Article (R) Number: XQ799  
TI Role of preterminal protein processing in adenovirus replication  
AU Webster A; Leith I R; Nicholson J; Hounsell J; Hay R T (Reprint)  
CS UNIV ST ANDREWS, SCH BIOL & MED SCI, IRVINE BLDG, ST ANDREWS KY16 9AL, FIFE, SCOTLAND (Reprint); UNIV ST ANDREWS, SCH BIOL & MED SCI, ST ANDREWS KY16 9AL, FIFE, SCOTLAND  
CYA SCOTLAND  
SO JOURNAL OF VIROLOGY, (SEP 1997) Vol. 71, No. 9, pp. 6381-6389.  
Publisher: AMER SOC MICROBIOLOGY, 1325 MASSACHUSETTS AVENUE, NW, WASHINGTON, DC 20005-4171.  
ISSN: 0022-538X.  
DT Article; Journal  
FS LIFE

FREDMAN J N | 1993 | 67 | 3384 | J VIROL

L1 ANSWER 15 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 96:527709 SCISEARCH  
GA The Genuine Article (R) Number: UW442  
TI 293 CELL-LINES THAT INDUCIBLY EXPRESS HIGH-LEVELS OF  
ADENOVIRUS  
TYPE-5 PRECURSOR TERMINAL PROTEIN  
AU LANGER S J; SCHAACK J (Reprint)  
CS UNIV COLORADO, HLTH SCI CTR, DEPT MICROBIOL, CANC CTR,  
PROGRAM MOL  
BIOL, BOX B175, 4200 E 9TH AVE, DENVER, CO, 80262 (Reprint); UNIV  
COLORADO, HLTH SCI CTR, DEPT MICROBIOL, CANC CTR, PROGRAM MOL  
BIOL,  
DENVER, CO, 80262  
CYA USA  
SO VIROLOGY, (01 JUL 1996) Vol. 221, No. 1, pp. 172-179.  
ISSN: 0042-6822.  
DT Article; Journal  
FS LIFE  
LA ENGLISH  
REC Reference Count: 28  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
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FREDMAN J N	1993 67 3384 J VIROL	<--
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L1 ANSWER 16 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 96:314314 SCISEARCH  
GA The Genuine Article (R) Number: UF247  
TI TYROSINE KINASE-DEPENDENT RELEASE OF AN ADENOVIRUS  
PRETERMINAL  
PROTEIN COMPLEX FROM THE NUCLEAR MATRIX  
AU ANGELETTI P C; ENGLER J A (Reprint)  
CS UNIV ALABAMA, SCH MED, DEPT BIOCHEM & MOLEC GENET, RM 460,  
BASIC SCI  
BLDG, BIRMINGHAM, AL, 35294 (Reprint); UNIV ALABAMA, SCH MED, DEPT  
BIOCHEM & MOLEC GENET, BIRMINGHAM, AL, 35294; UNIV ALABAMA,  
SCH  
DENT, BIRMINGHAM, AL, 35294  
CYA USA  
SO JOURNAL OF VIROLOGY, (MAY 1996) Vol. 70, No. 5, pp. 3060-3067.  
ISSN: 0022-538X.  
DT Article; Journal  
FS LIFE  
LA ENGLISH  
REC Reference Count: 60  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
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FREDMAN J N	1991 65 4591 J VIROL	<--
FREDMAN J N	1993 67 3384 J VIROL	<--

L1 ANSWER 17 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 96:263798 SCISEARCH  
GA The Genuine Article (R) Number: BF07G  
TI CHROMATIN DOMAINS AND PREDICTION OF MAR SEQUENCES  
AU BOULIKAS T (Reprint)  
CS INST MOL MED SCI, PALO ALTO, CA, 94306 (Reprint)  
CYA USA  
SO INTERNATIONAL REVIEW OF CYTOLOGY-A SURVEY OF CELL BIOLOGY,  
(1995)  
Vol. 162A, pp. 279-388.  
ISSN: 0074-7696.  
DT General Review; Journal  
FS LIFE  
LA ENGLISH  
REC Reference Count: 450  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
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FREDMAN J N	1993 67 3384 J VIROL	<--
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L1 ANSWER 18 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 96:263408 SCISEARCH  
GA The Genuine Article (R) Number: BF07E  
TI NUCLEAR MATRIX AND THE CELL-CYCLE  
AU LOIDL P (Reprint); EBERHARTER A  
CS INNSBRUCK UNIV, SCH MED, DEPT MICROBIOL, A-6020 INNSBRUCK,  
AUSTRIA  
(Reprint)  
CYA AUSTRIA  
SO INTERNATIONAL REVIEW OF CYTOLOGY-A SURVEY OF CELL BIOLOGY,  
(1995)  
Vol. 162B, pp. 377-403.  
ISSN: 0074-7696.  
DT General Review; Journal  
FS LIFE  
LA ENGLISH

REC Reference Count: 125  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
=====

FREDMAN J N	1993 67 3384 J VIROL	<--
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L1 ANSWER 19 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 96:112378 SCISEARCH  
GA The Genuine Article (R) Number: TT137  
TI ANCHORAGE OF ADENOVIRAL RNAS TO CLUSTERS OF  
INTERCHROMATIN GRANULES  
AU BESSE S (Reprint); PUVIONDUTILLEUL F  
CS INST FEDERAT CNRS, UPR 9044 CNRS, LAB ORG FONCT NOYAU, F-94801  
VILLEJUIF, FRANCE  
CYA FRANCE  
SO GENE EXPRESSION, (1995) Vol. 5, No. 2, pp. 79-92.  
ISSN: 1052-2166.  
DT Article; Journal  
LA ENGLISH  
REC Reference Count: 57  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
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FREDMAN J N	1993 67 3384 J VIROL	<--
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L1 ANSWER 20 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 96:32607 SCISEARCH  
GA The Genuine Article (R) Number: TL504  
TI INTERACTIONS OF ADENOVIRUS WITH THE NUCLEUS OF THE HOST-CELL  
AU POMBO A (Reprint); CARMOFONSECA M  
CS UNIV OXFORD, SIR WILLIAM DUNN SCH PATHOL, S PARKS RD, OXFORD  
OX1  
3RE, ENGLAND (Reprint); UNIV LISBON, FAC MED, INST HISTOL &  
EMBRYOL,  
P-1699 LISBON, PORTUGAL  
CYA ENGLAND; PORTUGAL  
SO REVIEWS IN MEDICAL VIROLOGY, (DEC 1995) Vol. 5, No. 4, pp. 213-218.  
ISSN: 1052-9276.  
DT Article; Journal  
FS LIFE  
LA ENGLISH  
REC Reference Count: 53  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
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FREDMAN J N	1993 67 3384 J VIROL	<--
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L1 ANSWER 21 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 95:555338 SCISEARCH  
GA The Genuine Article (R) Number: RN986  
TI INTERMEDIATES OF ADENOASSOCIATED VIRUS TYPE-2 ASSEMBLY -  
IDENTIFICATION OF SOLUBLE COMPLEXES CONTAINING REP AND CAP  
PROTEINS  
AU WISTUBA A; WEGER S; KERN A; KLEINSCHMIDT J A (Reprint)  
CS DEUTSCH KREBSFORSCHUNGSZENTRUM, FORSCH SCHWERPUNKT  
ANGEW TUMORVIROL,  
NEUENHEIMER FELD 242, D-69120 HEIDELBERG, GERMANY (Reprint);  
DEUTSCH  
KREBSFORSCHUNGSZENTRUM, FORSCH SCHWERPUNKT ANGEW  
TUMORVIROL, D-69120  
HEIDELBERG, GERMANY  
CYA GERMANY  
SO JOURNAL OF VIROLOGY, (SEP 1995) Vol. 69, No. 9, pp. 5311-5319.  
ISSN: 0022-538X.  
DT Article; Journal  
FS LIFE  
LA ENGLISH  
REC Reference Count: 43  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*  
Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG)| (RWK)  
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FREDMAN J N	1993 67 3384 J VIROL	<--
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L1 ANSWER 22 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 95:411239 SCISEARCH  
GA The Genuine Article (R) Number: RC226  
TI ADENOVIRUS TYPE-5 PRECURSOR TERMINAL PROTEIN-EXPRESSING 293  
AND  
HELA-CELL LINES  
AU SCHAACK J (Reprint); GUO X L; HO W Y W; KARLOK M; CHEN C Y;  
ORNELLES  
D  
CS UNIV COLORADO, HLTH SCI CTR, DEPT MICROBIOL, BOX B175, 4200 E  
9TH  
AVE, DENVER, CO, 80262 (Reprint); UNIV COLORADO, HLTH SCI CTR,  
PROGRAM MOLEC BIOL, DENVER, CO, 80262; UNIV COLORADO, HLTH SCI  
CTR,  
CTR CANC, DENVER, CO, 80262; STANFORD UNIV, DEPT IMMUNOL,

STANFORD,  
CA, 94305; WAKE FOREST UNIV, BOWMAN GRAY SCH MED, DEPT  
MICROBIOL &  
IMMUNOL, WINSTON SALEM, NC, 27157

CYA USA

SO JOURNAL OF VIROLOGY, (JUL 1995) Vol. 69, No. 7, pp. 4079-4085.  
ISSN: 0022-538X.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 34

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

Referenced Author |Year| VOL | PG | Referenced Work

(RAU) |(RPY)|(RVL)|(RPG)| (RWK)

FREDMAN J N |1993| 67 | 3384 | J VIROL <--

L1 ANSWER 23 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)

AN 95:360529 SCISEARCH

GA The Genuine Article (R) Number: QY819

TI PROLINE-137 IS CRITICAL FOR ADENOVIRUS PROTEASE ENCAPSIDATION  
AND

ACTIVATION BUT NOT ENZYME-ACTIVITY

AU RANCOURT C; KEYVANIANEH H; SIRCAR S; LABRECQUE P; WEBER J  
M

(Reprint)

CS UNIV SHERBROOKE, FAC MED, DEPT MICROBIOL, SHERBROOKE, PQ J1H  
5N4,

CANADA (Reprint); UNIV SHERBROOKE, FAC MED, DEPT MICROBIOL,  
SHERBROOKE, PQ J1H 5N4, CANADA

CYA CANADA

SO VIROLOGY, (10 MAY 1995) Vol. 209, No. 1, pp. 167-173.

ISSN: 0042-6822.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 33

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

Referenced Author |Year| VOL | PG | Referenced Work

(RAU) |(RPY)|(RVL)|(RPG)| (RWK)

FREDMAN J N |1993| 67 | 3384 | J VIROL <--

L1 ANSWER 24 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)

AN 95:90179 SCISEARCH

GA The Genuine Article (R) Number: BB94F

TI ADENOVIRUS ENDOPEPTIDASES

AU WEBER J M (Reprint); TIHANYI K

CS CHU SHERBROOKE, DEPT MICROBIOL, SHERBROOKE, PQ J1H 5N4,  
CANADA

(Reprint)

CYA CANADA

SO METHODS IN ENZYMOLOGY, (1994) Vol. 244, pp. 595-604.

ISSN: 0076-6879

DT General Review; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 23

Referenced Author |Year| VOL | PG | Referenced Work

(RAU) |(RPY)|(RVL)|(RPG)| (RWK)

FREDMAN J N |1993| 67 | 3384 | J VIROL <--

L1 ANSWER 25 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)

AN 94:734337 SCISEARCH

GA The Genuine Article (R) Number: PR206

TI ADENOVIRUS REPLICATION AND TRANSCRIPTION SITES ARE SPATIALLY

SEPARATED IN THE NUCLEUS OF INFECTED-CELLS

AU POMBO A; FERREIRA J; BRIDGE E; CARMOFONSECA M (Reprint)

CS UNIV LISBON, FAC MED, INST HISTOL & EMBRYOL, P-1699 LISBON,  
PORTUGAL

(Reprint); UNIV LISBON, FAC MED, INST HISTOL & EMBRYOL, P-1699  
LISBON, PORTUGAL; UPPSALA UNIV, CTR BIOMED, DEPT MED GENET,  
S-75123

UPPSALA, SWEDEN

CYA PORTUGAL; SWEDEN

SO EMBO JOURNAL, (01 NOV 1994) Vol. 13, No. 21, pp. 5075-5085.

ISSN: 0261-4189.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 60

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

Referenced Author |Year| VOL | PG | Referenced Work

(RAU) |(RPY)|(RVL)|(RPG)| (RWK)

FREDMAN J N |1993| 67 | 3384 | J VIROL <--

L1 ANSWER 26 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)

AN 94:665930 SCISEARCH

GA The Genuine Article (R) Number: PL736

TI ACTIVATION OF ADENOVIRUS-CODED PROTEASE AND PROCESSING OF  
PRETERMINAL PROTEIN

AU WEBSTER A; LEITH I R; HAY R T (Reprint)

CS UNIV ST ANDREWS, SCH BIOL & MED SCI, IRVINE BLDG, ST ANDREWS  
KY16

9AL, FIFE, SCOTLAND (Reprint); UNIV ST ANDREWS, SCH BIOL & MED SCI,  
ST ANDREWS KY16 9AL, FIFE, SCOTLAND

CYA SCOTLAND

SO JOURNAL OF VIROLOGY, (NOV 1994) Vol. 68, No. 11, pp. 7292-7300.

ISSN: 0022-538X.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 52

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

Referenced Author |Year| VOL | PG | Referenced Work

(RAU) |(RPY)|(RVL)|(RPG)| (RWK)

FREDMAN J N |1991| 65 | 4591 | J VIROL <--  
FREDMAN J N |1993| 67 | 3384 | J VIROL <--

L1 ANSWER 27 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)

AN 93:515796 SCISEARCH

GA The Genuine Article (R) Number: LT255

TI MULTIPLE FUNCTIONS OF THE ADENOVIRUS DNA-BINDING PROTEIN ARE

REQUIRED FOR EFFICIENT VIRAL-DNA SYNTHESIS

AU BROUGH D E; DROGUETT G; HORWITZ M S; KLESSIG D F (Reprint)

CS RUTGERS UNIV, WAKSMAN INST, POB 759, PISCATAWAY, NJ, 08855;

YESHIVA

UNIV ALBERT EINSTEIN COLL MED, DEPT MICROBIOL IMMUNOL, BRONX,  
NY,

10461; YESHIVA UNIV ALBERT EINSTEIN COLL MED, DEPT CELL BIOL,  
BRONX,

NY, 10461; YESHIVA UNIV ALBERT EINSTEIN COLL MED, DEPT PEDIAT,  
BRONX, NY, 10461

CYA USA

SO VIROLOGY, (SEP 1993) Vol. 196, No. 1, pp. 269-281.

ISSN: 0042-6822.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 87

Referenced Author |Year| VOL | PG | Referenced Work

(RAU) |(RPY)|(RVL)|(RPG)| (RWK)

FREDMAN J N |1991| 65 | 4591 | J VIROL <--

L1 ANSWER 28 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)

AN 93:367936 SCISEARCH

GA The Genuine Article (R) Number: LF503

TI THE ADENOVIRUS TERMINAL PROTEIN INFLUENCES BINDING OF  
REPLICATION

PROTEINS AND CHANGES THE ORIGIN STRUCTURE

AU PRONK R; VANDERVLIEET P C (Reprint)

CS UNIV UTRECHT, PHYSIOL CHEM LAB, VONDELLAAN 24A, 3521 GG  
UTRECHT,

NETHERLANDS

CYA NETHERLANDS

SO NUCLEIC ACIDS RESEARCH, (25 MAY 1993) Vol. 21, No. 10, pp.

2293-2300.

ISSN: 0305-1048.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 44

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

Referenced Author |Year| VOL | PG | Referenced Work

(RAU) |(RPY)|(RVL)|(RPG)| (RWK)

FREDMAN J N |1991| 65 | 4591 | J VIROL <--

L1 ANSWER 29 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)

AN 93:323188 SCISEARCH

GA The Genuine Article (R) Number: LB794

TI ADENOVIRUS PRECURSOR TO TERMINAL PROTEIN INTERACTS WITH THE  
NUCLEAR

MATRIX INVIVO AND INVITRO

AU FREDMAN J N; ENGLER J A (Reprint)

CS UNIV ALABAMA, DEPT BIOCHEM, BIRMINGHAM, AL, 35294

CYA USA

SO JOURNAL OF VIROLOGY, (JUN 1993) Vol. 67, No. 6, pp. 3384-3395.

ISSN: 0022-538X.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 64

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

Referenced Author |Year| VOL | PG | Referenced Work

(RAU) |(RPY)|(RVL)|(RPG)| (RWK)



FREDMAN J N |1991|65|4591|J VIROL <--  
FREDMAN J N | | | UNPUB <--

L1 ANSWER 30 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 93:33394 SCISEARCH  
GA The Genuine Article (R) Number: KF854  
TI ADENOVIRUS DNA-REPLICATION - THE FUNCTION OF THE COVALENTLY  
BOUND  
TERMINAL PROTEIN  
AU PRONK R; STUIVER M H; VANDERVLIEET P C (Reprint)  
CS UNIV UTRECHT, PHYSIOL CHEM LAB, VONDELLAAN 24A, 3521 GG  
UTRECHT,  
NETHERLANDS

CYA NETHERLANDS  
SO CHROMOSOMA, (1992) Vol. 102, No. 1, Supp. S, pp. S39-S45.  
ISSN: 0009-5915.

DT Article; Journal  
FS LIFE  
LA ENGLISH

REC Reference Count: 28

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG) | (RWK)

FREDMAN J N |1991|65|4591|J VIROL <--

L1 ANSWER 31 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 93:1336 SCISEARCH  
GA The Genuine Article (R) Number: KB970  
TI ANALYSIS OF THE ADENOVIRUS TYPE-5 TERMINAL  
PROTEIN-PRECURSOR AND  
DNA-POLYMERASE BY LINKER INSERTION MUTAGENESIS  
AU ROOVERS D J; VANDERLEE F M; VANDERWEES J; SUSSENBACH J S  
(Reprint)  
CS UNIV UTRECHT, PHYSIOL CHEM LAB, VONDELLAAN 24A, 3521 GG  
UTRECHT,  
NETHERLANDS

CYA NETHERLANDS  
SO JOURNAL OF VIROLOGY, (JAN 1993) Vol. 67, No. 1, pp. 265-276.  
ISSN: 0022-538X.

DT Article; Journal  
FS LIFE  
LA ENGLISH

REC Reference Count: 61

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG) | (RWK)

FREDMAN J N |1991|65|4591|J VIROL <--

L1 ANSWER 32 OF 33 SCISEARCH COPYRIGHT 1998 ISI (R)  
AN 92:639798 SCISEARCH  
GA The Genuine Article (R) Number: JU681  
TI MATURATION OF ALDOSE REDUCTASE EXPRESSION IN THE NEONATAL  
RAT INNER  
MEDULLA  
AU SCHWARTZ G J (Reprint); ZAVILOWITZ B J; RADICE A D; GARCIAPEREZ A;  
SANDS J M  
CS YESHIVA UNIV ALBERT EINSTEIN COLL MED, DEPT PEDIAT, BRONX, NY,  
10461; YESHIVA UNIV ALBERT EINSTEIN COLL MED, DEPT MOLEC GENET,  
BRONX, NY, 10461; NHLBI, KIDNEY & ELECTROLYTE METAB LAB,  
BETHESDA,  
MD, 20892; EMORY UNIV, SCH MED, DEPT MED, DIV RENAL, ATLANTA, GA,  
30322

CYA USA  
SO JOURNAL OF CLINICAL INVESTIGATION, (OCT 1992) Vol. 90, No. 4, pp.  
1275-1283.  
ISSN: 0021-9738.

DT Article; Journal  
FS LIFE  
LA ENGLISH

REC Reference Count: 31

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

Referenced Author |Year| VOL | PG | Referenced Work  
(RAU) |(RPY)|(RVL)|(RPG) | (RWK)

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